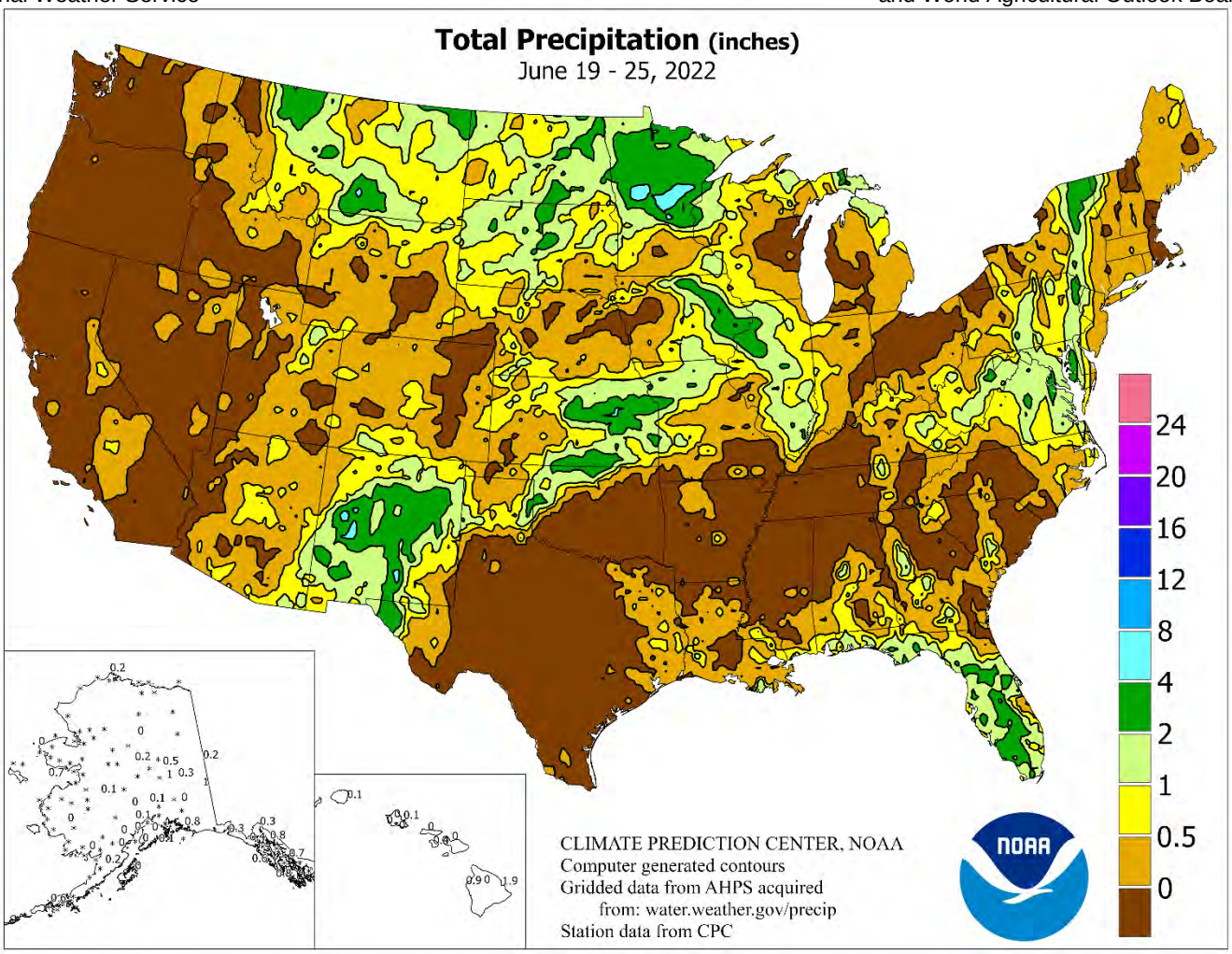
Volume 109, No. 26 www.usda.gov/oce/weather-drought-monitor June 28, 2022

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board



HIGHLIGHTS

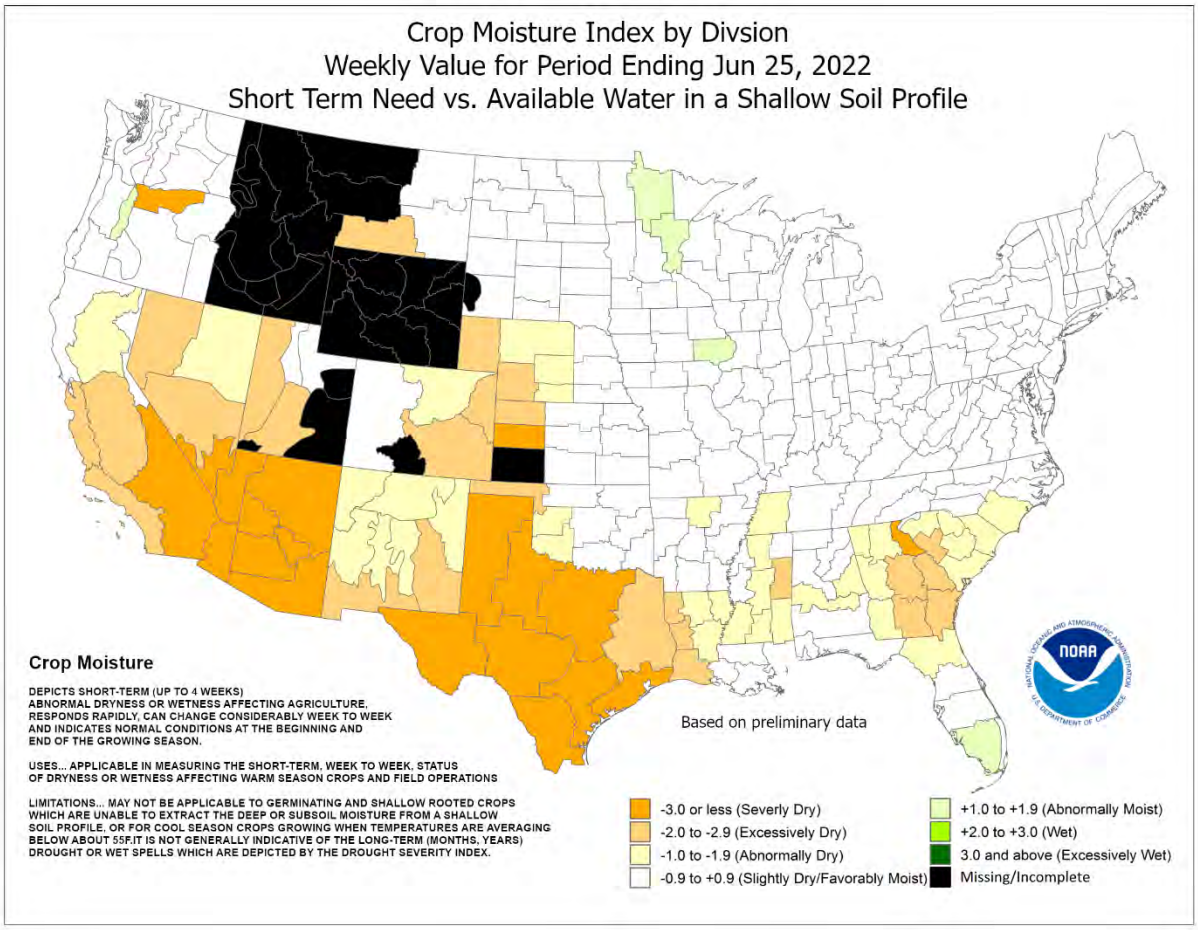
June 19 – 25, 2022

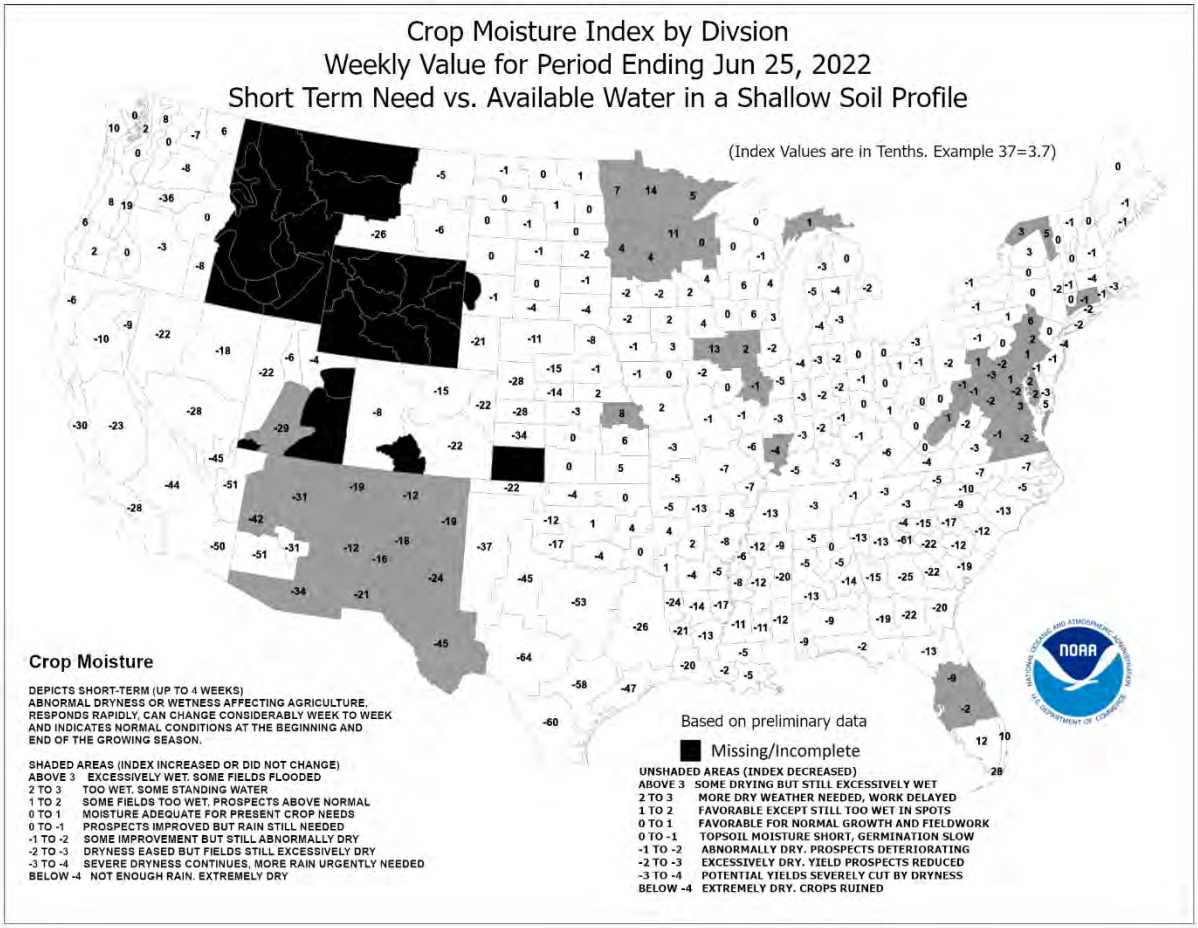
Highlights provided by USDA/WAOB

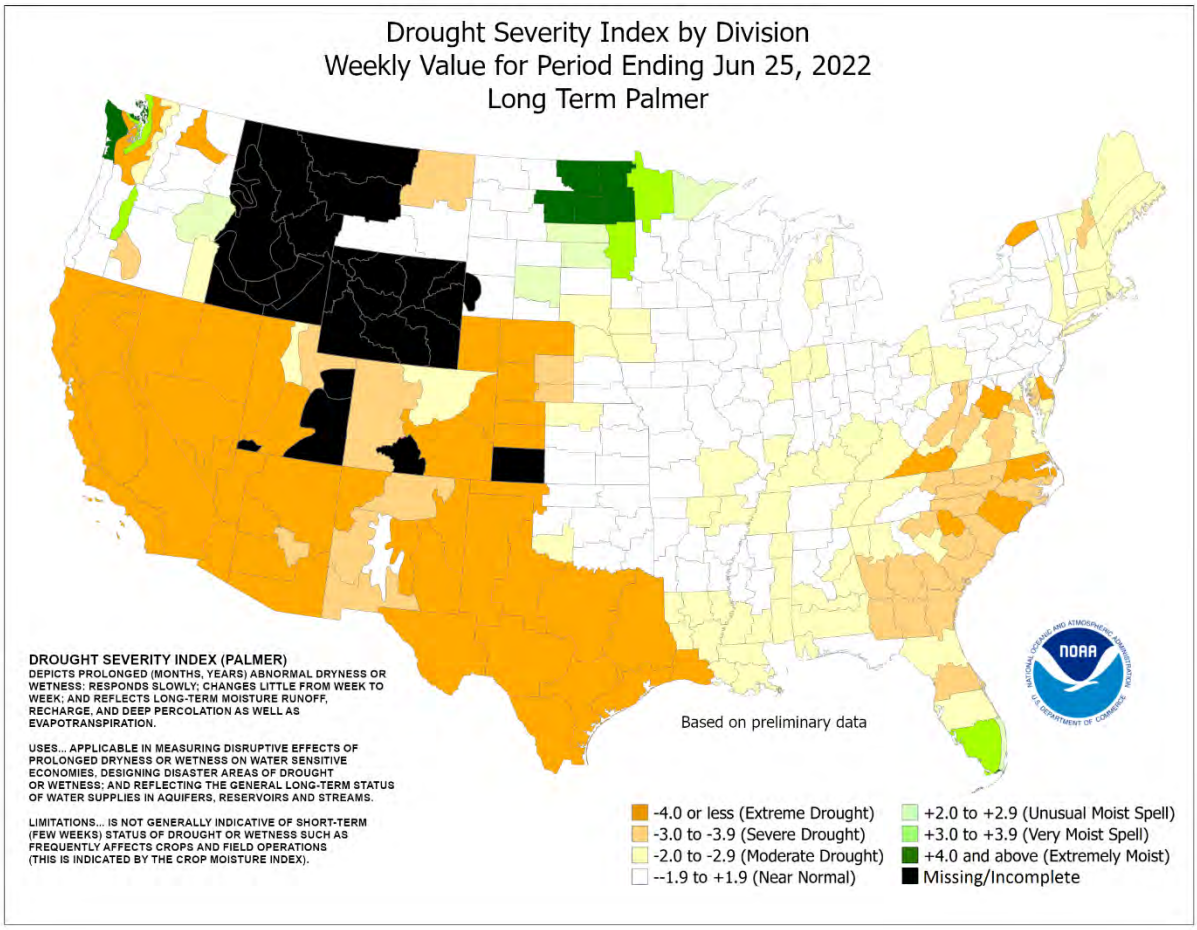
Hot, dry weather across much of the **South** and **lower Midwest** led to sharp declines in topsoil moisture and a concurrent increase in crop stress. Developmentally advanced **Southern** crops, such as silking corn and blooming soybeans, were more apt to be stressed by the untimely heat and dryness. Meanwhile, locally heavy showers dotted the **Plains**, **Southwest**, and **upper Midwest**. **Southwestern** showers, heaviest in the **southern Rockies**, were strongly related to a robust and early-onset monsoon circulation. Farther north, cold fronts

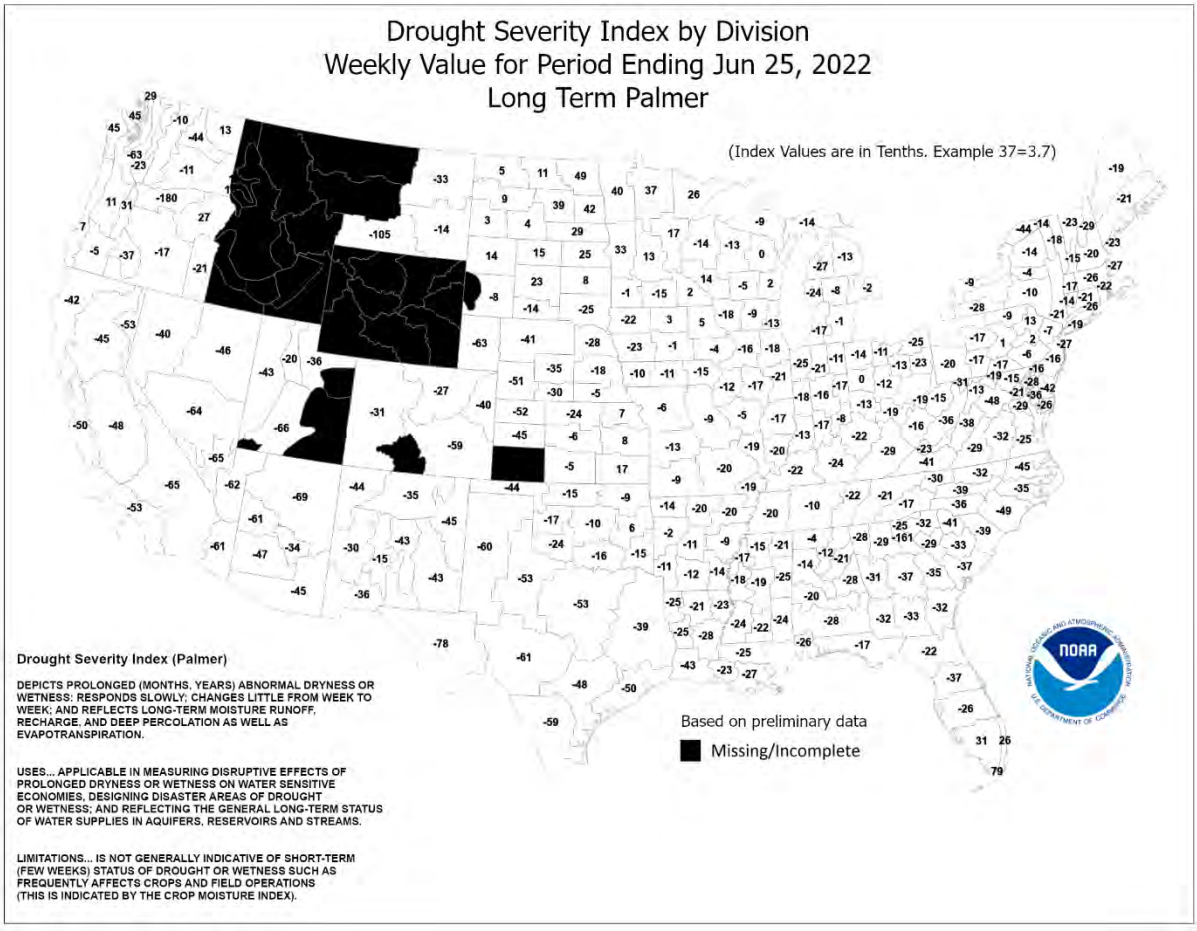
(Continued on page 5)

Contents


Crop Moisture Index by Divsion
Weekly Value for Period Ending Jun 25, 2022
Short Term Need vs. Available Water in a Shallow Soil Profile
Crop Moisture
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES... APPLICABLE IN MEASURING THE SHORT-TERM, WEEK TO WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS
LIMITATIONS... MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A SHALLOW SOIL PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55F.IT IS NOT GENERALLY INDICATIVE OF THE LONG-TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
Based on preliminary data
-3.0 or less (Severly Dry)
-2.0 to -2.9 (Excessively Dry)
-1.0 to -1.9 (Abnormally Dry)
-0.9 to +0.9 (Slightly Dry/Favorably Moist)
+1.0 to +1.9 (Abnormally Moist)
+2.0 to +3.0 (Wet)
3.0 and above (Excessively Wet)
Missing/Incomplete


Crop Moisture Index by Divsion
Weekly Value for Period Ending Jun 25, 2022
Short Term Need vs. Available Water in a Shallow Soil Profile
(Index Values are in Tenths. Example 37=3.7)
Crop Moisture
DEPICTS SHORT-TERM (UP TO 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
SHADED AREAS (INDEX INCREASED OR DID NOT CHANGE)
ABOVE 3 EXCESSIVELY WET. SOME FIELDS FLOODED
2 TO 3 TOO WET. SOME STANDING WATER
1 TO 2 SOME FIELDS TOO WET. PROSPECTS ABOVE NORMAL
0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
-2 TO -3 DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
-3 TO -4 SEVERE DRYNESS CONTINUES, MORE RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN. EXTREMELY DRY
Based on preliminary data
Missing/Incomplete
UNSHADED AREAS (INDEX DECREASED)
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
1 TO 2 FAVORABLE EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY. PROSPECTS DETERIORATING
-2 TO -3 EXCESSIVELY DRY. YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
BELOW -4 EXTREMELY DRY. CROPS RUINED


Drought Severity Index by Division
Weekly Value for Period Ending Jun 25, 2022
Long Term Palmer
DROUGHT SEVERITY INDEX (PALMER)
DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS: RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG-TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION AS WELL AS EVAPOTRANSPIRATION.
USES... APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSITIVE ECONOMIES, DESIGNING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL LONG-TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS AND STREAMS.
LIMITATIONS... IS NOT GENERALLY INDICATIVE OF SHORT-TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
Based on preliminary data
-4.0 or less (Extreme Drought)
-3.0 to -3.9 (Severe Drought)
-2.0 to -2.9 (Moderate Drought)
--1.9 to +1.9 (Near Normal)
+2.0 to +2.9 (Unusual Moist Spell)
+3.0 to +3.9 (Very Moist Spell)
+4.0 and above (Extremely Moist)
Missing/Incomplete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Based on preliminary data
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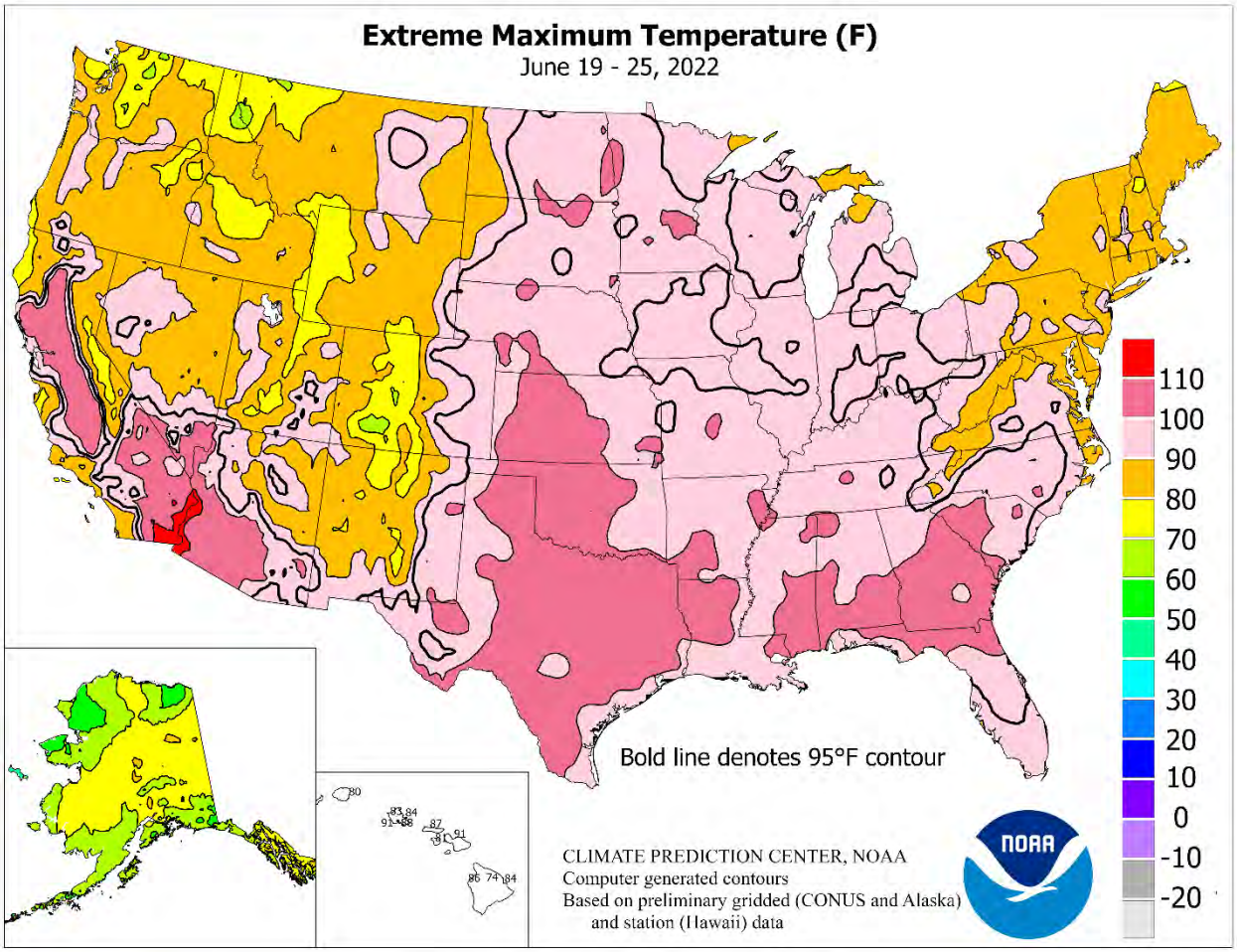
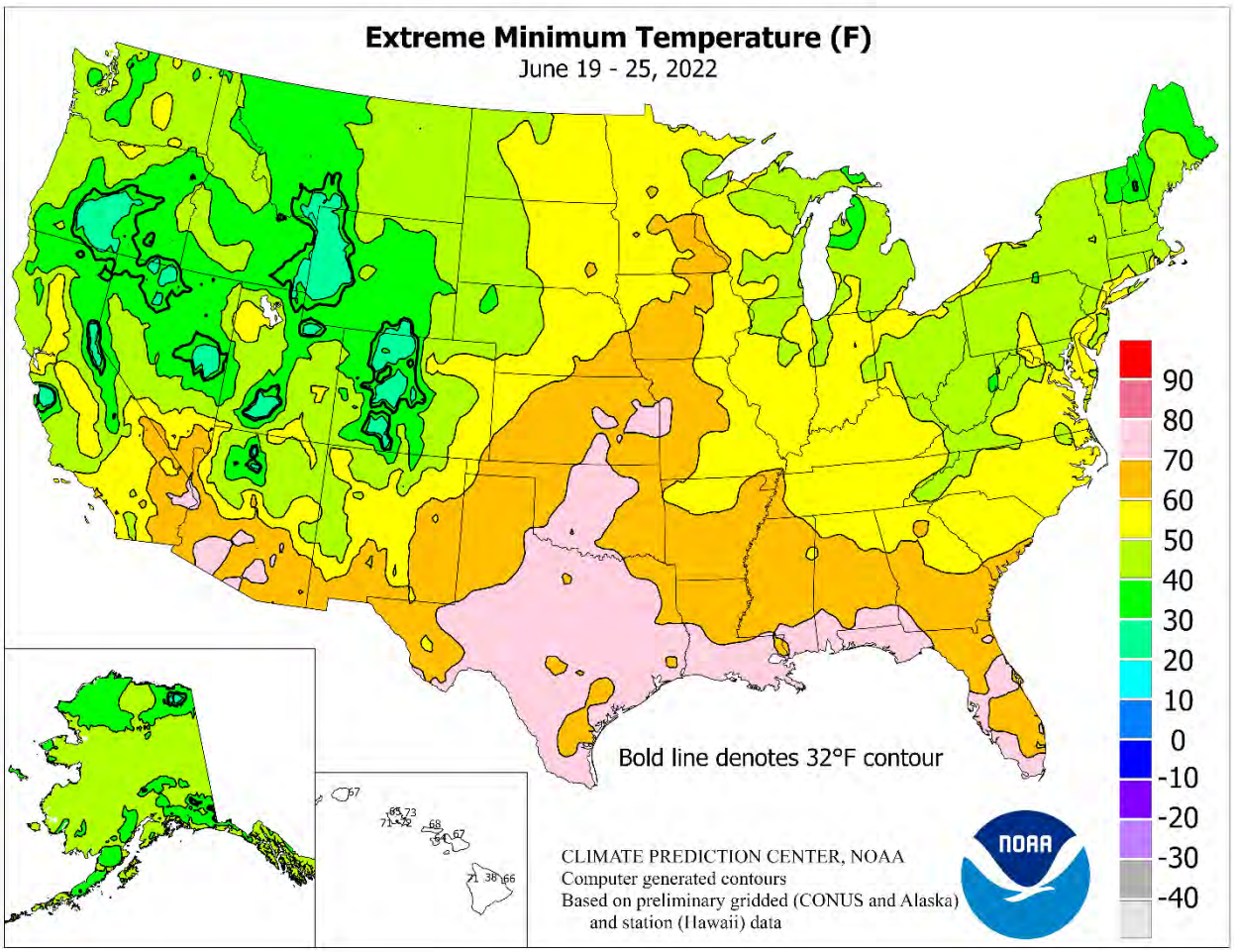
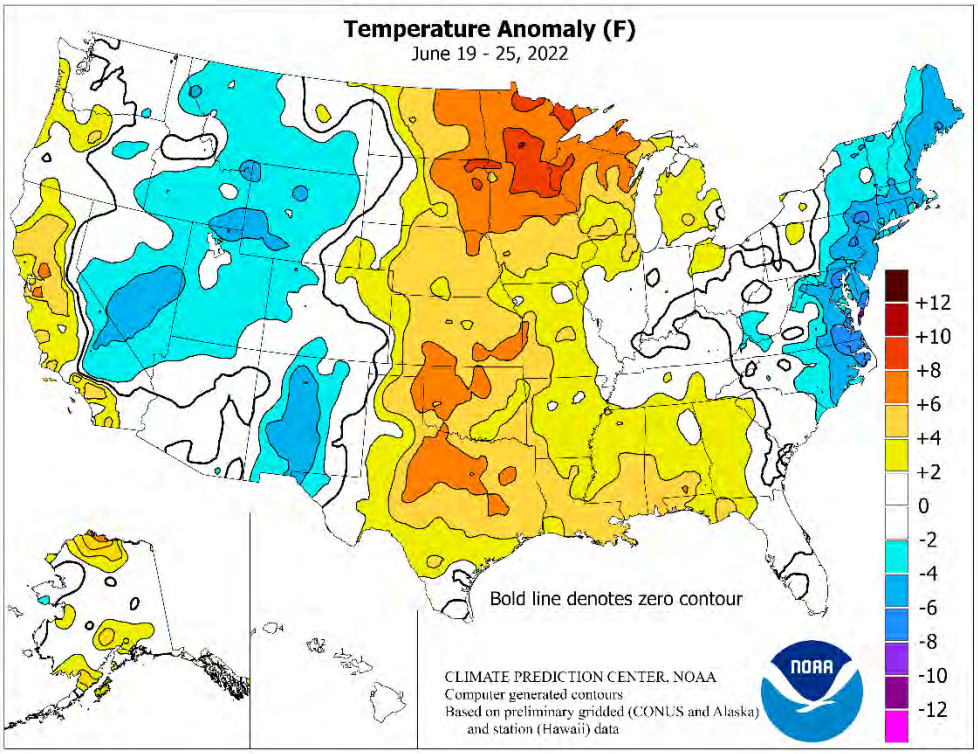

Extreme Maximum Temperature (F)
June 19 - 25, 2022
110
100
90
80
70
60
50
40
30
20
10
0
-10
-20
Bold line denotes 95°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data
NOAA


Extreme Minimum Temperature (F)
June 19 - 25, 2022
90
80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
Bold line denotes 32°F contour
CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary gridded (CONUS and Alaska)
and station (Hawaii) data
NOAA

(Continued from front cover)

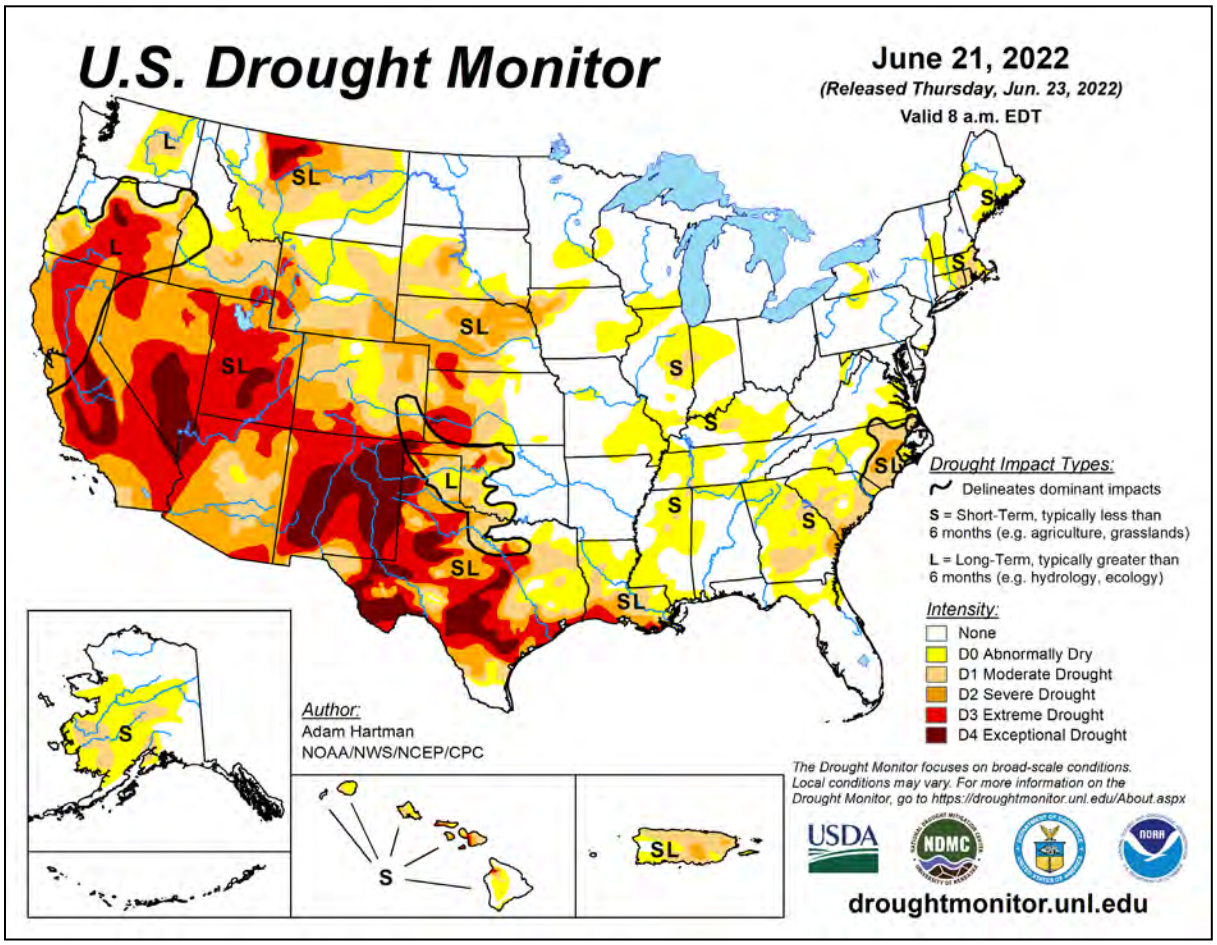
generated showers and thunderstorms in the **central and north-central U.S.**, with some of the heaviest rain falling in **northern and central Minnesota**. Elsewhere, heavy showers were also scattered across the **Northeast**, excluding **New England**, while mostly dry weather prevailed in the **Far West**. With rain dampening much of the **Four Corners States**, the **Western** wildfire threat began its seasonal shift into portions of the **Great Basin** and **Intermountain region**. With generally chilly conditions covering the **middle and northern Atlantic States** and **interior West**, weekly temperatures averaged at least 5°F below normal. In contrast, temperatures averaged at least 5°F above normal across large sections of the **Plains** and **upper Midwest**, as well as the **central Gulf Coast region**. Readings averaged more than 10°F above normal in much of **Minnesota** and portions of neighboring states.

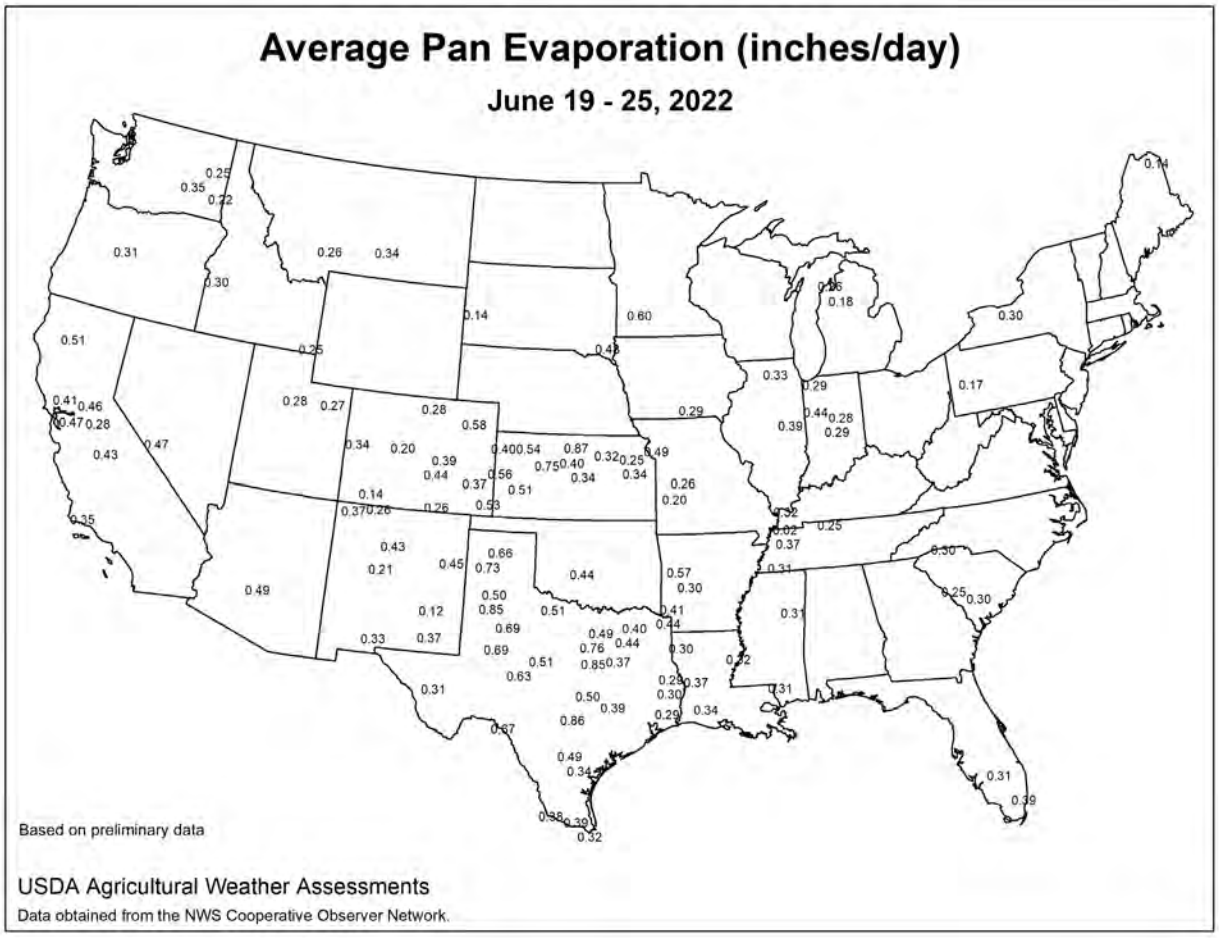


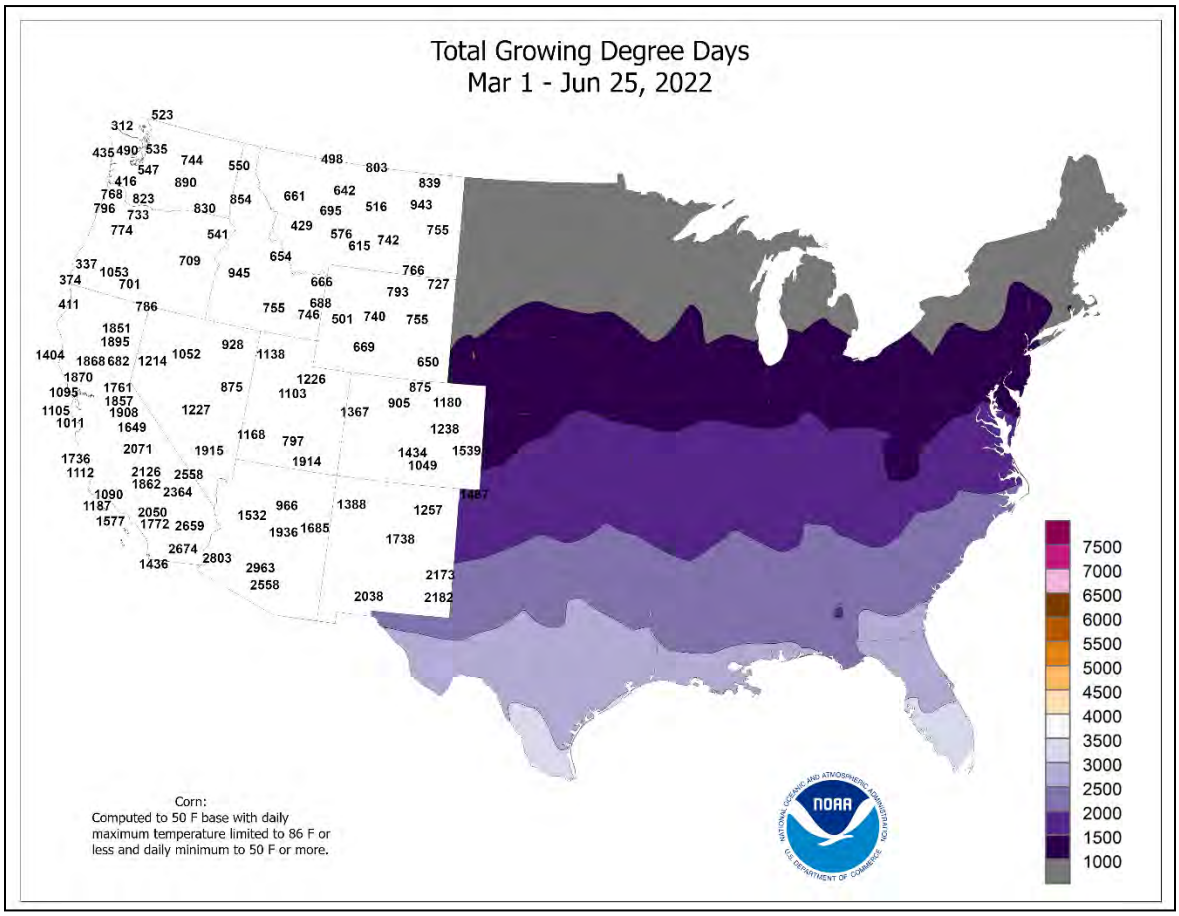
Chilly weather was entrenched in much of the **eastern and western U.S.** as the week began. In **California**, daily-record lows for June 19 included 29°F in **Campo**, 41°F in **King City**, and 50°F in **Stockton**. On the same date, **Eastern** daily-record lows dipped to 38°F in **Watertown, NY**, and 43°F in **Parkersburg, WV**. **Augusta, GA**, posted a daily-record low (55°F) on June 20, just 3 days before hitting 100°F. Cool conditions lingered in the **Midwest**, where record-setting lows for the 19th fell to 43°F in **Flint, MI**, and 46°F in **Rockford, IL**. In **Maine**, the week began on June 19 with highs of 49°F in **Houlton** and **Millinocket**, marking the latest in spring that temperatures had remained below the 50-degree mark. The previous record-latest date of a sub-50°F high in both locations had been June 10, 1956. By the morning of June 21, daily-record lows in **Maine** included 34°F in **Houlton** and 38°F in **Caribou**. Chilly conditions also lingered in the **West**, where sub-freezing, daily-record lows for June 21 plunged to 25°F in **Big Piney, WY**, and 28°F in **Vail, CO**. In stark contrast, heat surged into the **north-central U.S.**, where daily-record highs in **North Dakota** for June 19 reached 101°F in **Fargo** and 100°F in **Bismarck** and **Grand Forks**. In **Minnesota**, triple-digit, daily-record highs for June 20 rose to 101°F in **St. Cloud** and **Minneapolis-St. Paul**. In **Brainerd, MN**, where there have been fewer than two dozen triple-digit readings in the last 120 years, the high of 100°F on the 20th represented the highest June reading on record, tied with June 19, 1988, and June 4, 2021. Scattered triple-digit readings persisted through mid-week in the **Midwest**, where **Rockford, IL**, and **Toledo, OH**, logged highs of 100°F on June 21. Farther south, however, heat continued and further intensified. On June 22, **Nashville, TN** (101°F), experienced its first triple-digit reading since July 8, 2012, ending that city's third-longest such streak just shy of 10 years. **Nashville** once went almost 13 years, from August 14, 1881, to August 12, 1894, without 100-degree heat. Elsewhere in **Tennessee**, **Memphis** collected consecutive daily-record highs (101 and 102°F, respectively) on June 21-22. In **Georgia**, **Alma** tied a monthly record with a high of 105°F on June 23 (previously, 105°F on August 18, 1995). Daily-record highs soared to 104°F in **Alexandria, LA** (on June 23 and 24); **Tallahassee, FL** (on June 24); and **Montgomery, AL** (on June 23). In **Texas**, **Austin (Camp Mabry)** registered highs ranging from 100 to 105°F each day from June 6 to 25, except the 15th. At week's end, heat developed in the **Pacific Northwest**, while cool air arrived across **northern sections of the Rockies and High Plains**. On June 25, **Hoquiam, WA**, noted a daily-record high, while **Montana** locations such as **Livingston** (33°F), **Bozeman** (34°F), and **Great Falls** (37°F) tallied daily-record lows.

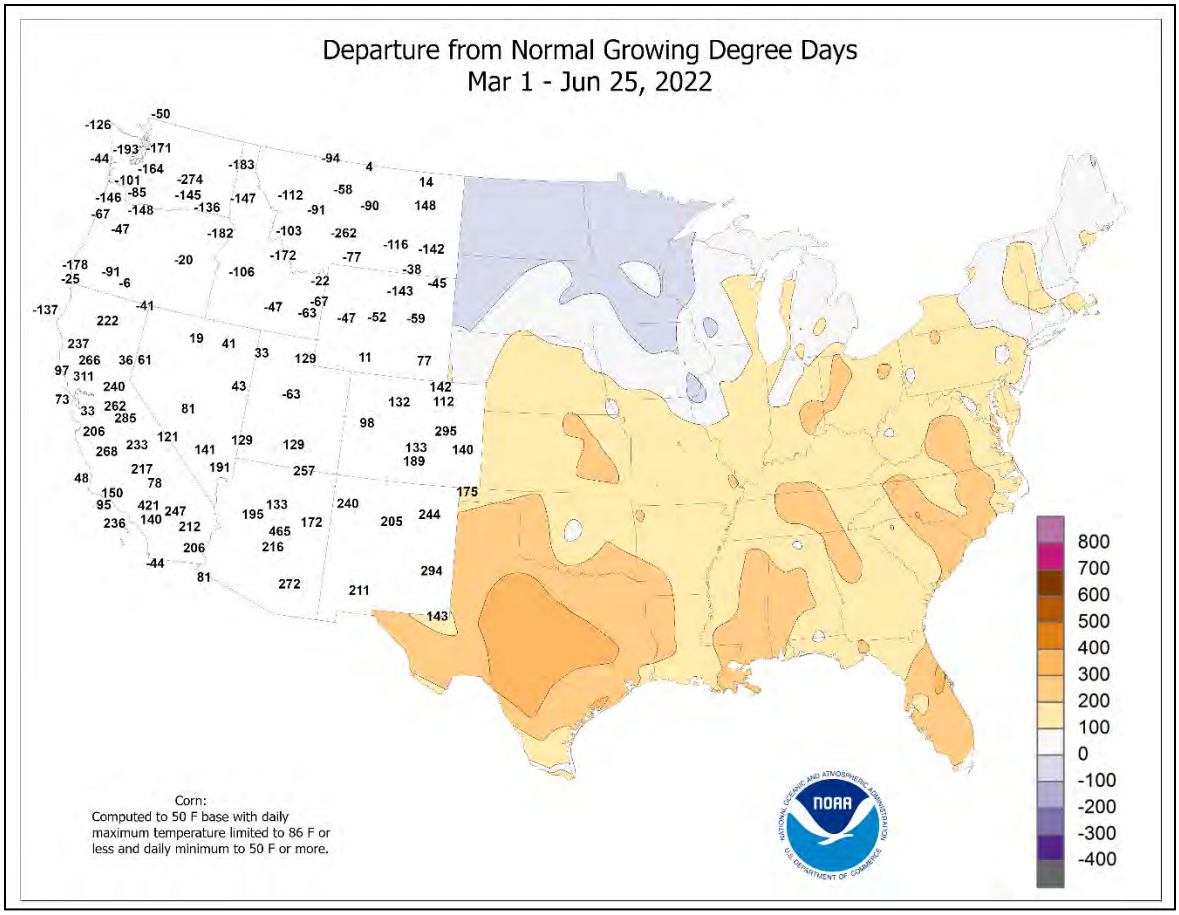
On June 19, a rare EF-2 tornado struck **Duchesne County, UT**, cutting a 2.1-mile path across elevations ranging from 8,500 to 9,200 feet. By June 20, heavy showers across the **nation's northern tier** resulted in daily-record totals in **Cut Bank, MT** (2.57 inches), and **International Falls, MN** (1.86 inches). **Southwestern** showers intensified by mid-week, resulting in record-setting totals for June 22 in **Albuquerque, NM** (0.56 inch); **Lancaster, CA** (0.51 inch); and **Yuma, AZ** (0.01 inch). Elsewhere on the 22nd, heavy **Eastern** showers led to daily-record totals in **Elkins, WV** (2.75 inches), and **Mount Pocono, PA** (1.82 inches). During the second half of the week, showers continued in the **Southwest**. Daily-record amounts for June 23 included 0.17 inch in **Winslow, AZ**, and 0.07 inch in **Lake Elsinore, CA**. Late in the week, heavy showers peppered several areas, including the **Southeast** and **upper Midwest**. **Macon, GA**, measured a daily-record sum (3.45 inches) on June 24, shortly after reporting highs of 100, 105, and 104°F from June 21-23. Similarly, **St. Cloud, MN**, received 4.28 inches from June 23-25, shortly after attaining 101°F on June 20. In **Iowa**, record-setting rainfall totals for June 25 reached 2.99 inches in **Cedar Rapids** and 2.45 inches in **Waterloo**.

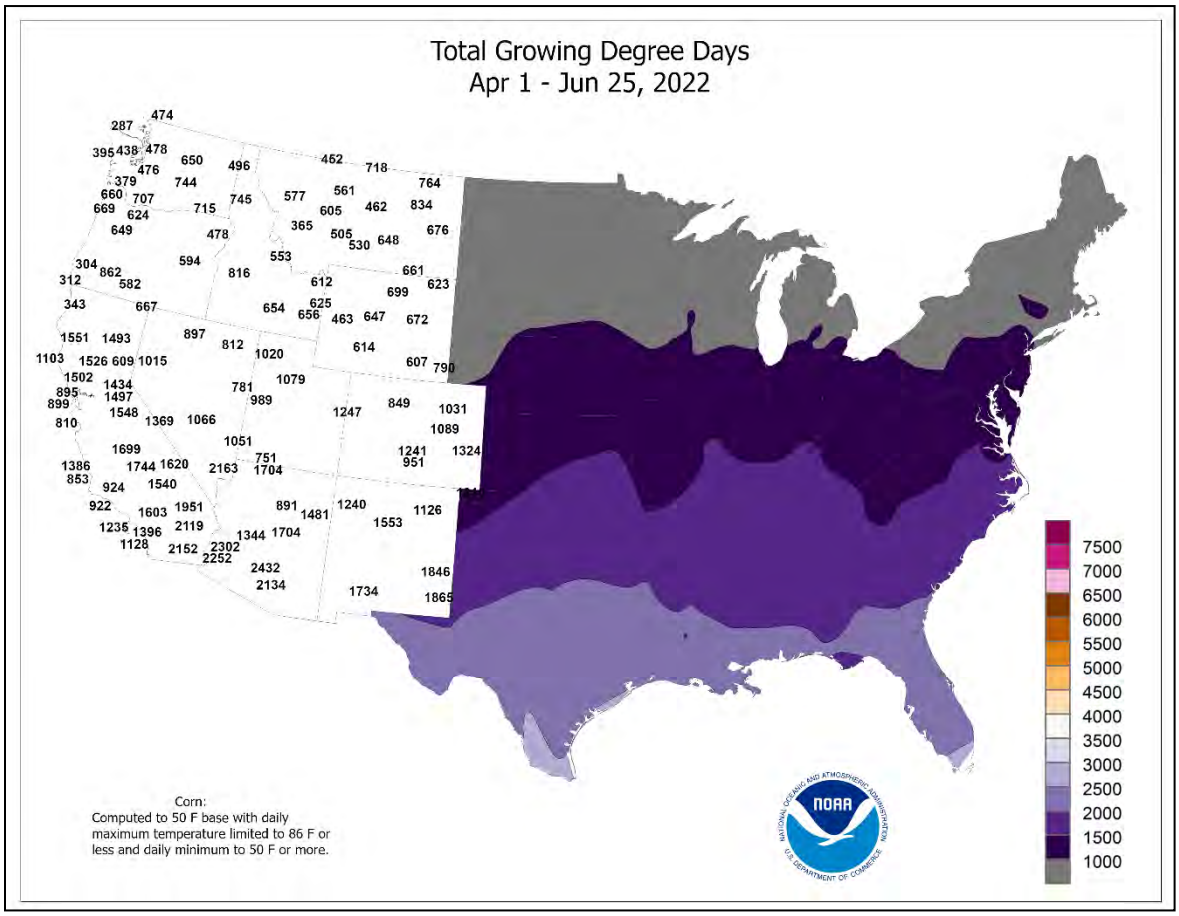
Near- or above-normal **Alaskan** temperatures accompanied scattered showers. **Fairbanks** received its first measurable rain of the month, collecting 0.53 inch on June 19-20. In **western Alaska**, significant rainfall totals on June 25 included 0.92 inch on **St. Paul Island** (a record for the date); 0.54 inch in **Cold Bay**; and 0.43 inch in **Nome**. In **southeastern Alaska**, **Ketchikan** reported measurable rain each day from June 19-22, totaling 1.59 inches. Meanwhile, **Kodiak** notched a daily-record high of 75°F on June 21. Elsewhere, more than two dozen large wildfires continued to burn across **interior and southwestern Alaska**; the Lime Complex (18 separate fires) had charred more than 560,000 acres of grass, timber, and brush by late June. Farther south, typical summer weather—showers mainly on windward slopes—prevailed in **Hawaii**. On the **Big Island**, measurable rain fell each day during the week, totaling 3.17 inches. In contrast, **Kahului, Maui**, awaited its first meaningful precipitation of the month, having last received measurable rain on May 9. As compared with other **Hawaiian Islands**, **Kauai** experienced relatively cool weather, with **Lihue** reporting a weekly average temperature nearly 5°F below normal. **Lihue** also registered a daily record-tying low of 67°F on June 24.

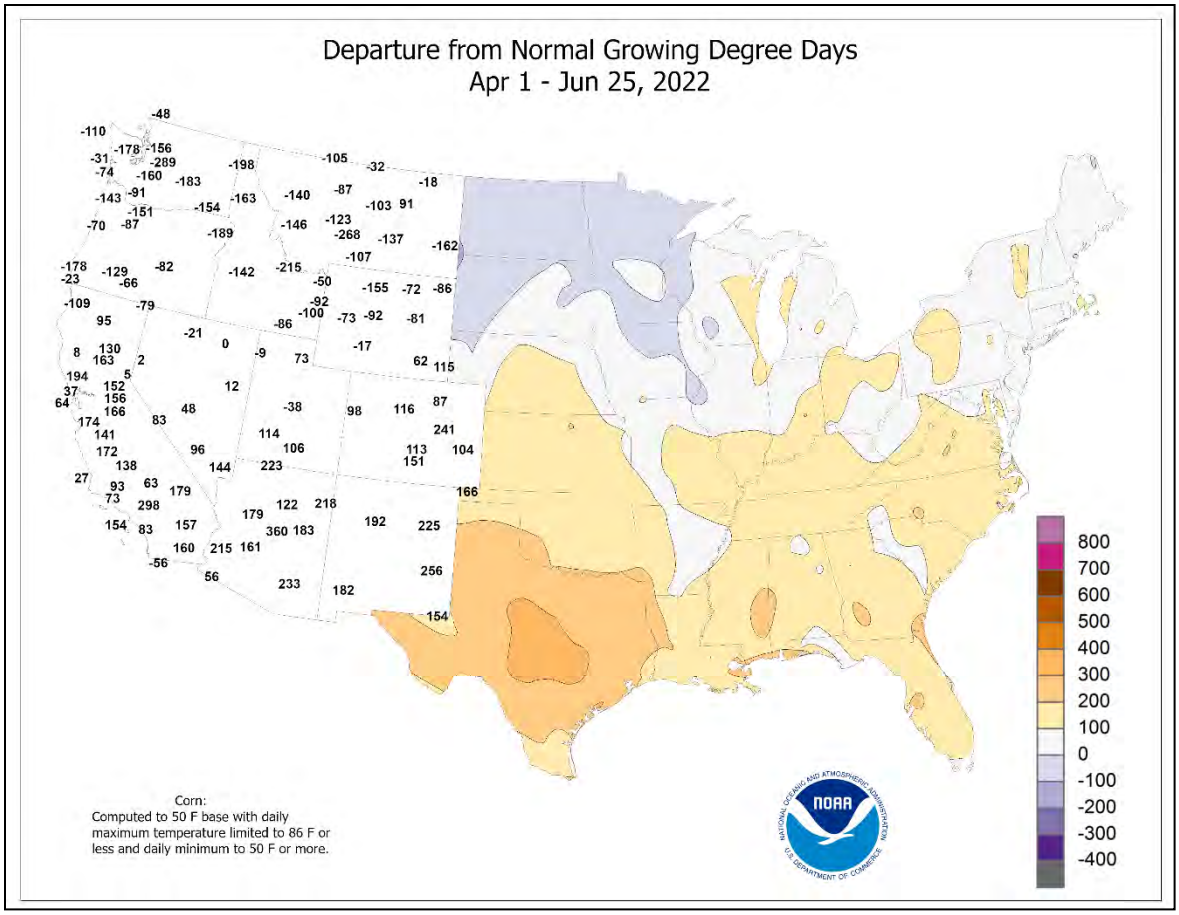

U.S. Drought Monitor
June 21, 2022
(Released Thursday, Jun. 23, 2022)
Valid 8 a.m. EDT
Drought Impact Types:
Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)
Intensity:
None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought
Author:
Adam Hartman
NOAA/NWS/NCEP/CPC
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx
USDA
NDMC
droughtmonitor.unl.edu


Average Pan Evaporation (inches/day)
June 19 - 25, 2022
Based on preliminary data
USDA Agricultural Weather Assessments
Data obtained from the NWS Cooperative Observer Network.


Total Growing Degree Days
Mar 1 - Jun 25, 2022
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA


Departure from Normal Growing Degree Days
Mar 1 - Jun 25, 2022
800
700
600
500
400
300
200
100
0
-100
-200
-300
-400
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
NOAA


Total Growing Degree Days
Apr 1 - Jun 25, 2022
Corn:
Computed to 50 F base with daily maximum temperature limited to 86 F or less and daily minimum to 50 F or more.
7500
7000
6500
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
1000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800
700
600
500
400
300
200
100
0
-100
-200
-300
-400

National Weather Data for Selected Cities

Weather Data for the Week Ending June 25, 2022

Data Provided by Climate Prediction Center

STATES AND STATIONS		TEMPERATURE ˚F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. ˚F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AK	ANCHORAGE	70	53	77	50	61	5	0.04	-0.20	0.04	0.07	8	5.11	124	77	45	0	0	1	0
	BARROW	55	40	66	33	47	9	0.17	0.07	0.08	0.20	72	6.37	577	91	66	0	0	4	0
	FAIRBANKS	76	53	80	50	64	2	0.53	0.17	0.35	0.53	48	2.68	79	85	36	0	0	2	0
	JUNEAU	63	49	79	47	56	1	0.79	0.07	0.37	3.03	114	37.11	167	93	60	0	0	4	0
	KODIAK	64	52	75	49	58	7	0.05	-1.28	0.02	1.58	31	35.71	98	86	61	0	0	2	0
	NOME	53	43	66	41	48	-2	0.67	0.41	0.42	0.68	84	3.38	66	92	67	0	0	4	0
AL	BIRMINGHAM	96	72	98	67	83	5	0.00	-1.02	0.00	3.47	96	28.13	101	81	40	6	0	0	0
	HUNTSVILLE	96	68	99	61	82	3	0.00	-1.02	0.00	1.72	48	33.05	118	88	33	7	0	0	0
	MOBILE	98	75	102	74	87	6	0.80	-0.73	0.59	1.66	33	25.37	79	88	38	7	0	4	1
	MONTGOMERY	99	72	104	66	85	5	0.00	-1.06	0.00	0.17	5	25.04	94	86	37	7	0	0	0
AR	FORT SMITH	97	72	100	63	84	5	0.00	-0.96	0.00	9.25	253	31.52	138	89	41	7	0	0	0
	LITTLE ROCK	96	73	100	67	85	4	0.07	-0.74	0.07	4.22	137	30.14	120	82	41	6	0	1	0
AZ	FLAGSTAFF	77	43	81	31	60	-2	0.20	0.11	0.11	0.41	135	3.42	40	75	19	0	1	4	0
	PHOENIX	106	81	108	75	94	1	0.13	0.13	0.12	0.13	900	0.69	20	43	12	7	0	2	0
	PRESCOTT	87	56	90	46	71	-1	0.30	0.19	0.13	0.30	97	1.75	35	52	16	2	0	3	0
	TUCSON	101	76	103	74	89	2	0.00	-0.07	0.00	0.04	26	0.71	20	53	17	7	0	0	0
CA	BAKERSFIELD	97	70	104	57	84	5	0.01	0.00	0.01	0.01	14	1.85	41	45	14	6	0	1	0
	EUREKA	64	49	71	45	56	0	0.00	-0.11	0.00	2.55	363	13.44	57	92	81	0	0	0	0
	FRESNO	99	69	106	57	84	5	0.00	-0.02	0.00	0.00	0	1.04	13	50	14	6	0	0	0
	LOS ANGELES	74	62	79	61	68	2	0.00	0.00	0.00	0.01	14	1.47	16	86	56	0	0	0	0
	REDDING	100	67	108	58	83	6	0.00	-0.09	0.00	0.84	124	4.89	23	47	10	6	0	0	0
	SACRAMENTO	97	63	105	52	80	7	0.00	-0.02	0.00	0.09	39	2.19	18	64	14	6	0	0	0
	SAN DIEGO	73	62	76	56	68	0	0.00	-0.02	0.00	0.00	0	2.48	35	89	60	0	0	0	0
	SAN FRANCISCO	79	56	98	53	67	5	0.00	-0.01	0.00	0.03	26	1.80	13	80	39	1	0	0	0
	STOCKTON	98	61	105	50	80	6	0.00	-0.01	0.00	0.06	62	1.60	17	66	17	6	0	0	0
CO	ALAMOSA	75	45	83	40	60	-2	0.21	0.08	0.13	0.39	95	3.11	113	91	32	0	0	3	0
	CO SPRINGS	82	56	92	47	69	2	0.62	0.10	0.62	0.78	37	4.26	58	65	19	1	0	1	1
	DENVER INTL	86	56	93	50	71	2	0.00	-0.42	0.00	0.59	34	5.80	79	55	18	3	0	0	0
	GRAND JUNCTION	88	56	93	46	72	-3	0.07	-0.03	0.07	0.14	35	1.94	44	57	10	4	0	1	0
	PUEBLO	88	57	96	48	73	1	0.00	-0.30	0.00	0.28	24	5.58	96	61	19	4	0	0	0
CT	BRIDGEPORT	75	59	87	53	67	-4	0.44	-0.26	0.40	1.28	40	15.02	71	91	49	0	0	2	0
	HARTFORD	78	55	90	48	66	-4	0.39	-0.47	0.36	2.51	66	20.00	93	90	42	1	0	3	0
DC	WASHINGTON	83	65	92	58	74	-3	1.87	0.99	1.81	2.72	87	20.15	105	74	42	1	0	2	1
DE	WILMINGTON	80	58	89	50	69	-5	0.45	-0.47	0.45	4.43	136	20.80	102	83	46	0	0	1	0
FL	DAYTONA BEACH	92	72	101	69	82	2	0.52	-0.91	0.32	1.11	22	13.87	69	89	48	5	0	2	0
	JACKSONVILLE	91	71	100	63	81	0	0.00	-1.62	0.00	0.93	17	22.06	106	94	51	5	0	0	0
	KEY WEST	89	79	91	76	84	0	0.48	-0.46	0.38	6.33	183	14.07	99	88	63	3	0	2	0
	MIAMI	89	76	92	75	83	0	2.80	0.42	1.93	15.57	193	34.06	145	89	54	3	0	5	2
	ORLANDO	94	73	99	69	83	2	1.61	-0.23	1.42	4.22	66	18.94	90	89	45	7	0	3	1
	PENSACOLA	96	79	101	77	87	6	2.20	0.46	1.34	5.85	109	27.49	93	87	46	7	0	2	2
	TALLAHASSEE	98	74	104	72	87	5	3.66	1.70	3.62	7.74	121	27.52	98	91	38	7	0	2	1
	TAMPA	94	78	95	77	86	3	0.33	-1.51	0.19	5.35	101	18.36	105	80	48	7	0	3	0
	WEST PALM BEACH	90	74	93	72	82	1	0.33	-1.62	0.27	8.69	124	23.82	93	89	52	4	0	3	0
GA	ATHENS	96	67	102	59	82	3	0.01	-1.02	0.01	1.76	51	19.42	86	79	28	7	0	1	0
	ATLANTA	94	72	98	67	83	4	0.01	-1.00	0.01	2.57	82	23.89	100	72	31	6	0	1	0
	AUGUSTA	94	62	100	55	78	-2	0.04	-1.08	0.04	2.40	60	19.95	93	97	30	6	0	1	0
	COLUMBUS	97	73	102	67	85	4	0.00	-0.94	0.00	0.96	31	24.80	105	78	32	7	0	0	0
	MACON	99	67	105	60	83	3	3.44	2.42	3.44	3.52	105	21.11	95	90	26	7	0	1	1
	SAVANNAH	93	70	102	63	81	0	0.00	-1.45	0.00	2.17	43	10.76	51	89	36	5	0	0	0
HI	HILO	82	68	84	66	75	0	1.87	0.01	0.80	5.50	92	45.56	78	91	59	0	0	6	2
	HONOLULU	87	74	88	72	81	0	0.00	-0.06	0.00	0.01	4	8.78	112	75	48	0	0	0	0
	KAHULUI	88	71	91	67	80	1	0.00	-0.06	0.00	0.00	0	0.65	6	77	46	2	0	0	0
	LIHUE	79	70	80	67	74	-4	0.12	-0.27	0.05	0.39	29	16.06	93	94	71	0	0	4	0
IA	BURLINGTON	88	64	95	58	76	1	0.17	-0.87	0.17	2.68	71	13.27	73	87	46	2	0	1	0
	CEDAR RAPIDS	88	64	96	56	76	5	0.05	-1.15	0.05	2.33	57	10.37	66	80	43	3	0	1	0
	DES MOINES	89	68	95	66	78	5	1.02	-0.14	0.90	3.07	74	15.67	90	80	45	4	0	2	1
	DUBUQUE	87	62	96	52	74	4	0.87	-0.15	0.77	2.17	58	12.39	74	85	44	2	0	2	1
	SIOUX CITY	90	64	96	55	77	5	0.19	-0.71	0.19	1.04	31	6.62	50	84	40	3	0	1	0
	WATERLOO	90	64	95	60	77	5	2.51	1.34	2.45	5.85	142	18.09	111	79	41	4	0	2	1
ID	BOISE	82	52	90	45	67	-3	0.00	-0.13	0.00	1.00	158	5.82	84	62	17	1	0	0	0
	LEWISTON	79	54	87	50	67	-1	0.09	-0.15	0.09	3.12	286	9.31	131	80	28	0	0	1	0
	POCATELLO	79	45	91	36	62	-2	0.00	-0.17	0.00	0.58	64	6.43	94	70	17	1	0	0	0
IL	CHICAGO/O_HARE	89	65	99	52	77	6	0.24	-0.54	0.24	2.39	82	18.02	113	68	30	3	0	1	0
	MOLINE	90	63	98	49	77	3	2.08	1.03	2.08	4.36	117	16.51	93	83	40	3	0	1	1
	PEORIA	90	64	96	53	77	3	1.25	0.43	1.25	2.41	82	14.72	85	77	37	3	0	1	1
	ROCKFORD	90	60	100	46	75	3	0.90	-0.16	0.90	2.21	55	13.54	82	82	36	5	0	1	1
	SPRINGFIELD	89	63	93	54	76	1	0.26	-0.76	0.26	2.59	68	13.11	73	82	40	3	0	1	0
IN	EVANSVILLE	92	63	98	56	78	1	0.00	-0.80	0.00	0.72	22	23.89	101	85	28	6	0	0	0
	FORT WAYNE	88	61	96	52	74	2	0.00	-0.93	0.00	3.03	84	15.15	82	72	27	3	0	0	0
	INDIANAPOLIS	89	64	95	58	76	2	0.00	-1.02	0.00	1.04	29	19.20	91	70	29	2	0	0	0
	SOUTH BEND	88	58	99	49	73	2	0.26	-0.60	0.26	2.20	68	15.82	93	79	32	3	0	1	0
KS	CONCORDIA	93	71	99	67	82	6	0.74	-0.24	0.62	2.61	77	11.70	87	83	45	4	0	3	1
	DODGE CITY	97	70	106	64	83	7	0.08	-0.67	0.04	0.94	34	4.00	39	77	29	6	0	2	0
	GOODLAND	90	62	98	53	76	4	0.02	-0.73	0.02	1.30	47	5.87	63	87	23	4	0	1	0
	TOPEKA	92	73	100	71	83	6	1.28	0.00	0.43	2.26	49	18.75	105	86	52	5	0	5	0

Based on 1981-2010 normals ***** Not Available**

Weather Data for the Week Ending June 25, 2022

STATES AND STATIONS		TEMPERATURE ˚F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS			
																	TEMP. ˚F		PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	95	74	100	70	84	6	1.63	0.41	1.42	2.85	63	21.48	131	86	42	6	0	3	1
KY	LEXINGTON	91	62	98	54	77	2	0.01	-0.96	0.01	1.94	50	26.29	113	79	32	5	0	1	0
	LOUISVILLE	92	67	100	61	80	2	0.00	-0.81	0.00	1.58	49	20.83	90	76	30	6	0	0	0
	PADUCAH	93	64	97	57	78	1	0.00	-0.99	0.00	1.46	43	28.91	117	90	33	6	0	0	0
LA	BATON ROUGE	98	74	99	70	86	5	0.12	-1.51	0.07	0.49	10	15.33	58	91	42	7	0	2	0
	LAKE CHARLES	95	75	98	73	85	3	0.92	-0.82	0.92	3.64	63	12.85	48	94	46	7	0	1	1
	NEW ORLEANS	97	80	99	78	89	6	0.00	-2.00	0.00	1.94	28	23.60	75	89	42	7	0	0	0
	SHREVEPORT	100	73	103	66	87	6	0.12	-1.16	0.12	0.90	19	19.99	74	83	36	7	0	1	0
MA	BOSTON	73	57	84	51	65	-5	0.30	-0.41	0.30	1.28	40	14.28	66	91	49	0	0	1	0
	WORCESTER	73	55	85	48	64	-3	0.30	-0.57	0.29	2.76	77	21.04	92	90	47	0	0	2	0
MD	BALTIMORE	83	59	90	51	71	-4	0.63	-0.12	0.39	2.91	100	21.47	108	84	43	1	0	2	0
ME	CARIBOU	69	47	82	38	58	-4	0.62	-0.20	0.61	4.27	152	20.41	126	92	50	0	0	2	1
	PORTLAND	71	52	86	45	61	-4	0.07	-0.72	0.07	2.44	75	17.73	79	96	52	0	0	1	0
MI	ALPENA	84	52	95	42	68	4	0.81	0.18	0.79	2.69	125	15.80	131	93	43	3	0	2	1
	GRAND RAPIDS	87	60	95	51	73	3	0.04	-0.82	0.04	0.87	27	17.92	107	80	33	1	0	1	0
	HOUGHTON LAKE	90	53	90	50	71	6	0.00	-0.20	0.00	1.49	74	13.51	114	92	32	1	0	0	0
	LANSING	89	61	98	50	75	6	0.20	-0.60	0.16	0.77	26	18.04	125	82	33	4	0	2	0
	MUSKEGON	83	61	90	50	72	4	0.01	-0.55	0.01	1.82	84	15.09	105	80	36	1	0	1	0
	TRAVERSE CITY	87	57	93	44	72	6	0.18	-0.63	0.18	2.15	83	11.31	80	81	37	4	0	1	0
MN	DULUTH	82	59	94	46	71	9	3.04	1.96	1.69	4.04	116	15.75	126	88	45	1	0	4	3
	INT_L FALLS	84	59	93	50	71	9	0.67	-0.35	0.55	2.16	67	18.93	193	87	47	2	0	2	1
	MINNEAPOLIS	92	70	101	64	81	10	0.25	-0.79	0.20	1.01	28	12.37	94	75	33	5	0	3	0
	ROCHESTER	88	65	96	61	76	0	1.54	0.43	1.30	4.17	106	18.56	129	81	41	3	0	2	1
	ST. CLOUD	89	67	100	58	78	10	4.28	3.26	3.14	4.43	126	13.78	116	86	38	3	0	3	2
MO	COLUMBIA	91	67	98	60	79	4	0.00	-1.04	0.00	2.07	55	18.54	91	82	39	5	0	0	0
	KANSAS CITY	89	71	97	68	80	5	2.76	1.55	1.42	4.67	106	21.84	119	85	54	4	0	4	2
	SAINT LOUIS	94	71	99	63	82	4	0.00	-0.98	0.00	1.02	27	20.24	101	69	32	6	0	0	0
	SPRINGFIELD	92	69	97	62	80	5	0.02	-1.14	0.02	1.88	45	24.62	111	83	42	6	0	1	0
MS	JACKSON	97	71	99	68	84	4	0.00	-1.01	0.00	3.17	93	29.57	107	90	36	7	0	0	0
	MERIDIAN	101	71	104	69	86	7	0.00	-1.06	0.00	0.49	13	24.68	86	89	28	7	0	0	0
	TUPELO	98	70	101	62	84	4	0.00	-1.06	0.00	0.52	13	27.14	95	81	32	7	0	0	0
MT	BILLINGS	75	51	90	46	63	-4	1.69	1.22	1.41	2.81	154	9.06	117	86	34	1	0	3	1
	BUTTE	69	40	81	32	54	-3	0.37	-0.08	0.23	1.81	92	4.62	66	86	27	0	1	2	0
	CUT BANK	67	45	76	38	56	-3	2.65	2.11	2.58	3.78	170	4.84	81	90	40	0	0	2	1
	GLASGOW	81	55	92	50	68	2	0.14	-0.39	0.10	1.12	56	4.30	72	83	31	1	0	4	0
	GREAT FALLS	71	46	83	37	59	-3	1.22	0.69	0.58	1.66	75	6.83	85	84	34	0	0	4	1
	HAVRE	76	49	88	39	62	-1	0.11	-0.38	0.04	2.96	160	4.36	76	93	33	0	0	4	0
	MISSOULA	73	47	86	40	60	-3	0.17	-0.25	0.12	1.80	98	5.99	78	80	32	0	0	3	0
NC	ASHEVILLE	86	58	91	49	72	0	0.00	-1.11	0.00	1.31	33	25.46	115	87	34	1	0	0	0
	CHARLOTTE	92	65	101	55	78	1	0.00	-0.83	0.00	0.80	25	19.03	94	78	29	5	0	0	0
	GREENSBORO	87	64	96	56	75	-1	0.00	-0.86	0.00	1.37	43	20.02	101	80	34	1	0	0	0
	HATTERAS	83	67	86	59	75	-2	0.40	-0.57	0.37	1.20	36	21.48	87	82	49	0	0	2	0
	RALEIGH	89	63	100	55	76	-2	0.20	-0.60	0.19	1.22	42	20.27	102	89	35	4	0	2	0
	WILMINGTON	88	64	95	56	76	-3	0.03	-1.20	0.02	4.78	112	16.26	70	89	38	2	0	2	0
ND	BISMARCK	86	58	100	52	72	5	0.64	-0.13	0.61	1.17	44	18.01	220	89	38	2	0	2	1
	DICKINSON	78	53	88	47	66	2	0.31	-0.46	0.31	2.04	76	7.17	90	89	46	0	0	1	0
	FARGO	88	64	101	56	76	8	1.27	0.32	0.71	1.61	49	11.33	112	88	36	4	0	3	2
	GRAND FORKS	87	62	100	53	74	9	0.84	-0.04	0.64	2.13	74	13.92	160	88	42	4	0	3	1
	JAMESTOWN	83	61	97	54	72	6	0.95	0.18	0.45	2.46	93	11.25	136	89	48	2	0	3	0
NE	GRAND ISLAND	91	68	101	58	80	6	0.04	-0.91	0.04	2.39	65	7.20	52	83	35	5	0	1	0
	LINCOLN	89	70	95	62	79	5	0.04	-0.99	0.02	3.72	101	13.37	95	83	47	3	0	3	0
	NORFOLK	92	66	100	55	79	7	0.00	-1.00	0.00	1.54	42	7.03	52	84	34	5	0	0	0
	NORTH PLATTE	92	62	101	48	77	7	0.00	-0.74	0.00	0.42	14	5.91	56	78	25	5	0	0	0
	OMAHA	89	69	96	61	79	5	0.02	-0.89	0.02	2.92	82	12.59	84	83	45	4	0	1	0
	SCOTTSBLUFF	91	55	100	46	73	4	0.30	-0.28	0.26	0.34	13	5.54	62	75	17	4	0	2	0
	VALENTINE	91	59	102	47	75	5	0.18	-0.63	0.18	1.50	50	6.38	62	87	24	5	0	1	0
NH	CONCORD	76	50	89	41	63	-3	0.17	-0.63	0.12	3.13	99	18.79	100	97	40	0	0	3	0
NJ	ATLANTIC_CITY	78	57	90	50	68	-5	0.19	-0.49	0.19	1.80	69	24.06	121	90	47	1	0	1	0
	NEWARK	82	63	96	56	72	-2	0.12	-0.74	0.07	2.08	61	20.20	90	75	37	1	0	2	0
NM	ALBUQUERQUE	82	62	87	60	72	-5	0.68	0.48	0.37	1.26	248	2.15	69	83	35	0	0	3	0
NV	ELY	77	38	83	26	58	-5	0.00	-0.11	0.00	0.00	0	1.63	31	58	13	0	2	0	0
	LAS VEGAS	97	73	104	66	85	-4	0.00	-0.02	0.00	0.00	0	0.16	7	28	9	6	0	0	0
	RENO	85	53	92	43	69	0	0.00	-0.11	0.00	0.00	0	0.71	16	57	13	3	0	0	0
	WINNEMUCCA	85	49	94	30	67	0	0.00	-0.10	0.00	0.28	52	2.33	46	52	13	2	1	0	0
NY	ALBANY	77	55	91	47	66	-3	0.07	-0.78	0.05	1.60	50	24.30	135	84	41	1	0	2	0
	BINGHAMTON	73	53	84	43	63	-3	0.04	-0.98	0.04	4.39	120	20.30	111	89	51	0	0	1	0
	BUFFALO	79	58	91	50	69	0	0.28	-0.54	0.16	2.86	92	17.38	96	85	39	1	0	2	0
	ROCHESTER	83	58	93	50	70	2	0.51	-0.29	0.50	2.02	73	14.41	95	82	37	2	0	2	1
	SYRACUSE	79	54	87	46	67	-2	0.00	-0.78	0.00	3.67	133	16.22	97	88	45	0	0	0	0
OH	AKRON-CANTON	85	59	94	46	72	3	0.00	-0.91	0.00	2.32	72	22.48	119	77	30	2	0	0	0
	CINCINNATI	87	62	95	57	75	1	0.20	-0.67	0.20	2.36	68	25.33	115	83	39	2	0	1	0
	CLEVELAND	84	59	95	49	72	1	0.00	-0.79	0.00	2.02	70	18.14	101	76	34	3	0	0	0
	COLUMBUS	88	60	97	48	74	0	0.33	-0.59	0.33	2.40	70	24.92	131	91	34	3	0	1	0
	DAYTON	88	61	95	52	74	2	0.00	-0.97	0.00	2.29	65	21.96	107	72	30	2	0	0	0
	MANSFIELD	84	57	92	46	70	1	0.03	-1.04	0.03	3.65	90	23.55	110	83	34	2	0	1	0

Based on 1981-2010 normals

***** Not Available**

Weather Data for the Week Ending June 25, 2022

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS TEMP. °F		NUMBER OF DAYS PRECIP	
		AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUN 1	PCT. NORMAL SINCE JUN 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	90	61	100	51	76	4	0.00	-0.80	0.00	2.83	94	23.58	144	73	23	5	0	0	0
	YOUNGSTOWN	83	55	94	44	69	1	0.01	-0.89	0.01	2.33	72	26.80	149	90	36	2	0	1	0
OK	OKLAHOMA CITY	96	71	99	70	83	4	0.00	-1.07	0.00	3.28	76	14.30	79	87	39	7	0	0	0
	TULSA	97	75	101	73	86	7	0.00	-1.00	0.00	3.18	78	20.75	101	83	41	7	0	0	0
OR	ASTORIA	69	53	86	45	61	3	0.18	-0.33	0.15	3.59	159	40.91	114	92	57	0	0	2	0
	BURNS	78	40	88	34	59	-1	0.01	-0.13	0.01	1.24	178	4.47	71	77	18	0	0	1	0
	EUGENE	79	50	92	46	64	3	0.00	-0.26	0.00	2.41	175	18.48	74	91	41	1	0	0	0
	MEDFORD	88	53	101	45	71	2	0.00	-0.11	0.00	1.61	280	6.77	71	82	22	4	0	0	0
	PENDLETON	81	53	90	50	67	1	0.00	-0.17	0.00	2.13	235	10.69	146	75	23	1	0	0	0
	PORTLAND	79	55	93	52	67	3	0.01	-0.29	0.01	3.06	201	22.70	120	79	36	1	0	1	0
	SALEM	80	53	94	49	67	4	0.02	-0.25	0.02	2.73	194	24.00	114	83	38	1	0	1	0
PA	ALLENTOWN	77	54	88	46	65	-6	0.78	-0.22	0.46	3.48	96	24.67	121	91	49	0	0	2	0
	ERIE	79	60	88	56	69	0	0.01	-0.85	0.01	1.57	50	18.74	103	77	40	0	0	1	0
	MIDDLETOWN	82	61	89	52	71	-2	0.54	-0.29	0.33	2.99	100	21.19	115	81	43	0	0	2	0
	PHILADELPHIA	81	63	91	57	72	-3	0.33	-0.43	0.31	4.47	157	19.27	98	77	44	1	0	2	0
	PITTSBURGH	83	58	94	46	71	0	0.43	-0.59	0.43	2.70	74	19.70	105	83	34	1	0	1	0
	WILKES-BARRE	79	55	89	44	67	-2	1.00	0.09	1.00	3.02	88	20.99	122	86	44	0	0	1	1
	WILLIAMSPORT	82	57	90	45	70	-1	0.08	-0.84	0.04	2.39	72	18.38	101	85	41	1	0	2	0
RI	PROVIDENCE	77	56	89	52	67	-3	0.39	-0.33	0.25	4.28	134	21.46	92	92	45	0	0	3	0
SC	CHARLESTON	90	69	97	61	80	0	0.00	-1.44	0.00	3.13	68	13.51	65	90	37	3	0	0	0
	COLUMBIA	94	66	102	56	80	0	0.23	-0.94	0.23	1.39	35	17.81	87	89	31	6	0	1	0
	FLORENCE	93	66	101	56	80	0	0.00	-1.04	0.00	1.40	36	16.79	87	85	28	6	0	0	0
	GREENVILLE	91	63	98	55	77	-1	0.00	-0.86	0.00	1.75	56	25.86	115	80	31	4	0	0	0
SD	ABERDEEN	90	65	101	55	77	10	0.58	-0.30	0.55	0.76	24	11.46	112	88	39	4	0	2	1
	HURON	92	67	97	56	79	9	0.20	-0.69	0.20	1.31	38	9.87	86	83	35	4	0	1	0
	RAPID CITY	83	52	93	44	67	1	0.63	0.13	0.60	2.25	100	7.13	79	92	38	2	0	3	1
	SIOUX FALLS	91	68	100	60	79	9	0.52	-0.39	0.51	1.92	58	9.58	75	79	35	4	0	2	1
TN	BRISTOL	90	57	94	49	73	0	0.00	-0.94	0.00	0.92	28	22.96	111	91	27	4	0	0	0
	CHATTANOOGA	94	67	99	59	81	3	0.00	-0.99	0.00	1.28	38	27.69	105	80	33	6	0	0	0
	KNOXVILLE	92	64	96	54	78	1	0.00	-0.87	0.00	1.27	41	27.29	111	82	31	4	0	0	0
	MEMPHIS	98	75	102	69	87	6	0.00	-0.78	0.00	0.81	26	27.10	99	63	29	7	0	0	0
	NASHVILLE	96	67	101	57	82	4	0.00	-0.93	0.00	0.88	24	28.08	113	71	23	6	0	0	0
TX	ABILENE	101	77	104	74	89	9	0.00	-0.72	0.00	0.68	21	4.41	36	53	19	7	0	0	0
	AMARILLO	96	68	101	62	82	6	0.00	-0.65	0.00	1.87	69	5.24	57	64	21	7	0	0	0
	AUSTIN	102	76	104	74	89	6	0.00	-0.93	0.00	0.59	15	9.04	52	83	26	7	0	0	0
	BEAUMONT	98	75	100	70	87	5	0.00	-1.89	0.00	2.09	35	11.17	42	95	43	7	0	0	0
	BROWNSVILLE	95	77	96	76	86	2	0.00	-0.67	0.00	0.10	4	12.75	128	91	49	7	0	0	0
	CORPUS CHRISTI	93	71	94	64	82	-1	0.00	-0.84	0.00	0.03	1	6.15	47	100	52	7	0	0	0
	DEL RIO	101	78	104	78	90	5	0.00	-0.53	0.00	0.04	1	2.73	29	68	23	7	0	0	0
	EL PASO	91	69	98	66	80	-3	0.86	0.59	0.37	1.00	138	2.32	86	73	30	4	0	4	0
	FORT WORTH	101	80	103	76	90	7	0.00	-0.84	0.00	2.65	79	15.52	79	66	26	7	0	0	0
	GALVESTON	95	83	97	81	89	6	0.04	0.00	0.04	0.63	0	9.61	0	77	50	7	0	1	0
	HOUSTON	100	76	102	72	88	5	0.07	-1.40	0.07	0.08	1	19.81	85	86	31	7	0	1	0
	LUBBOCK	97	69	101	65	83	4	0.00	-0.67	0.00	0.80	30	4.02	45	60	18	7	0	0	0
	MIDLAND	97	73	99	72	85	4	0.00	-0.39	0.00	1.65	109	2.14	36	56	19	7	0	0	0
	SAN ANGELO	102	75	104	73	89	7	0.00	-0.51	0.00	0.71	31	3.26	31	59	18	7	0	0	0
	SAN ANTONIO	100	76	101	75	88	5	0.00	-1.02	0.00	0.09	2	4.41	28	81	27	7	0	0	0
	VICTORIA	100	72	101	69	86	3	0.00	-1.06	0.00	0.35	9	6.07	31	96	34	7	0	0	0
	WACO	102	78	104	75	90	8	0.00	-0.67	0.00	0.60	19	8.50	47	71	26	7	0	0	0
	WICHITA FALLS	103	73	106	71	88	7	0.00	-0.81	0.00	2.52	67	9.39	61	77	24	7	0	0	0
UT	SALT LAKE CITY	86	59	92	50	73	1	0.21	0.04	0.20	0.56	61	5.00	54	54	15	4	0	2	0
VA	LYNCHBURG	87	62	96	54	75	1	0.40	-0.42	0.38	2.07	68	20.91	106	85	37	2	0	2	0
	NORFOLK	80	64	86	61	72	-5	0.66	-0.33	0.59	1.93	53	18.47	90	87	47	0	0	2	1
	RICHMOND	83	61	96	57	73	-5	2.26	1.40	2.08	3.56	108	19.09	95	86	42	1	0	2	1
	ROANOKE	89	64	96	54	76	1	0.03	-0.81	0.03	1.39	42	20.23	101	77	33	4	0	1	0
	WASH/DULLES	83	58	92	48	71	-4	1.13	0.24	1.07	2.65	78	19.59	97	89	44	1	0	2	1
VT	BURLINGTON	76	55	90	47	66	-2	0.54	-0.30	0.28	2.87	94	15.45	101	91	43	1	0	3	0
WA	OLYMPIA	75	46	89	42	61	1	0.00	-0.35	0.00	3.02	192	31.68	122	97	42	0	0	0	0
	QUILLAYUTE	67	48	87	43	58	2	0.06	-0.64	0.03	4.30	141	57.49	111	97	57	0	0	3	0
	SEATTLE-TACOMA	73	53	87	51	63	1	0.04	-0.28	0.04	2.57	185	24.47	130	82	43	0	0	1	0
	SPOKANE	73	52	81	47	63	-1	0.00	-0.25	0.00	2.36	212	9.08	103	72	32	0	0	0	0
	YAKIMA	83	51	88	46	67	2	0.00	-0.13	0.00	0.70	127	3.89	90	68	23	0	0	0	0
WI	EAU CLAIRE	89	63	96	55	76	7	0.89	-0.09	0.88	2.45	70	8.71	66	83	42	3	0	2	1
	GREEN BAY	89	64	96	51	76	10	0.01	-0.90	0.01	2.36	72	13.24	102	74	36	3	0	1	0
	LA CROSSE	91	68	98	62	79	8	0.47	-0.56	0.41	4.89	135	15.04	102	78	39	4	0	2	0
	MADISON	87	64	94	51	75	6	0.22	-0.84	0.22	3.80	100	15.20	97	77	42	3	0	1	0
	MILWAUKEE	86	65	100	53	75	7	0.01	-0.90	0.01	3.09	95	15.35	97	69	39	2	0	1	0
WV	BECKLEY	81	56	87	42	68	-1	0.53	-0.42	0.34	2.51	75	21.24	103	91	40	0	0	2	0
	CHARLESTON	85	57	92	46	71	-3	0.02	-0.97	0.02	3.94	107	25.91	119	100	41	3	0	1	0
	ELKINS	81	51	89	40	66	-1	2.75	1.70	2.75	5.92	164	27.21	119	94	40	0	0	1	1
	HUNTINGTON	87	58	95	48	73	-1	0.08	-0.75	0.08	1.67	50	22.76	106	91	39	3	0	1	0
WY	CASPER	81	45	88	37	63	-2	0.00	-0.36	0.00	0.20	14	7.97	120	81	20	0	0	0	0
	CHEYENNE	82	53	90	47	68	4	0.07	-0.37	0.03	0.29	14	4.04	50	60	17	1	0	3	0
	LANDER	78	48	87	39	63	-2	0.00	-0.21	0.00	0.00	0	8.83	118	60	19	0	0	0	0
	SHERIDAN	77	46	91	41	62	-2	0.78	0.36	0.50	1.47	79	12.53	158	87	37	1	0	3	1

Based on 1981-2010 normals

***** Not Available**

National Agricultural Summary

June 20 – 26, 2022

Weekly National Agricultural Summary provided by USDA/NASS

HIGHLIGHTS

Much of the nation remained drier than normal, while large parts of Minnesota and the Southwest received at least twice the normal amount of weekly precipitation. Portions of the Midwest, Plains, and Rockies, as well as some locations in the mid-Atlantic and Southeast, also received at least twice the normal amount of rain. Some areas in Minnesota recorded more than 4 inches of rain. Meanwhile, much of the Great Lakes, Great Plains, Mississippi Valley, Pacific Coast, and Southeast recorded above-normal weekly temperatures. Several locations in Michigan, Minnesota, North Dakota, Oklahoma, and Wisconsin recorded temperatures 9°F or more above normal. In contrast, much of the mid-Atlantic, Northeast, Rockies, and Southwest recorded below-normal temperatures. Many locations in California, Idaho, Nevada, and along the Virginia and North Carolina coast recorded temperatures 6°F or more below normal.

Corn: By June 26, four percent of the nation's corn acreage had reached the silking stage, equal to both last year and the 5-year average. On June 26, sixty-seven percent of the nation's corn was rated in good to excellent condition, 3 percentage points below the previous week but 3 points above the same time last year. In Iowa, the largest corn-producing state, 80 percent of the corn crop was rated in good to excellent condition.

Soybean: Ninety-eight percent of the nation's soybean acreage was planted by June 26, one percentage point behind last year but 1 point ahead of the 5-year average. Ninety-one percent of the soybean acreage had emerged by June 26, four percentage points behind last year but equal to the average. By June 26, seven percent of the nation's soybean acreage had reached the blooming stage, 6 percentage points behind last year and 4 points behind average. Progress was most advanced in the lower Mississippi Valley, with 82 percent blooming in Louisiana, 66 percent in Mississippi, and 51 percent in Arkansas. On June 26, sixty-five percent of the nation's soybean acreage was rated in good to excellent condition, 3 percentage points below the previous week but 5 points above the previous year.

Winter Wheat: By June 26, ninety-five percent of the nation's winter wheat was headed, 3 percentage points behind both last year and the 5-year average. Forty-one percent of the 2022 winter wheat acreage had been harvested by June 26, ten percentage points ahead of last year and 6 points ahead of average. On June 26, thirty percent of the 2022 winter wheat crop was reported in good to excellent condition, unchanged from the previous week but 18 percentage points below last year. In Kansas, the largest winter wheat-producing state, 29 percent of the winter wheat was rated in good to excellent condition.

Cotton: Thirty-three percent of the nation's cotton acreage had reached the squaring stage by June 26, three percentage points ahead of last year but equal to the 5-year average. By June 26, eight percent of the cotton acreage had begun setting bolls, 1 percentage point ahead of both last year and the average. On June 26, thirty-seven percent of the cotton acreage was rated in good to excellent condition, 3 percentage points below the previous week and 15 points below the same time last year.

Sorghum: Ninety percent of the nation's sorghum was planted by June 26, four percentage points behind both the previous year and the 5-year average. By June 26, nineteen percent of the sorghum acreage had reached the headed stage, equal to last year but 1 percentage point behind average. Forty-three percent of the nation's sorghum acreage was rated in good to excellent condition on June 26, three percentage points below the previous week and 27 points below the same time last year.

Rice: By June 26, ten percent of the nation's rice acreage had reached the headed stage, 3 percentage points ahead of the previous year and 1 point ahead of the 5-year average. On June 26, seventy-three percent of the nation's rice acreage was rated in good to excellent condition, 1 percentage point above the previous week but equal to the same time last year.

Small Grains: Fifty-four percent of the nation's oat acreage had headed by June 26, twenty-one percentage points behind last year and 14 points behind the 5-year average. On June 26, fifty-eight percent of the oat acreage was rated in good to excellent condition, 2 percentage points below the previous week but 21 points above the same time last year.

Nineteen percent of the nation's barley acreage had reached the headed stage by June 26, twenty-one percentage points behind last year and 12 points behind the 5-year average. On June 26, fifty-three percent of the barley acreage was rated in good to excellent condition, 2 percentage points above the previous week and 22 points above the same time last year.

By June 26, ninety-eight percent of the nation's spring wheat had emerged, 2 percentage points behind the previous year and 1 point behind the 5-year average. By June 26, eight percent of the nation's spring wheat had reached the headed stage, 37 percentage points behind the previous year and 26 points behind average. On June 26, fifty-nine percent of the nation's spring wheat was rated in good to excellent condition, unchanged from the previous week but 39 percentage points above the same time last year.

Other Crops: By June 26, thirty-four percent of the nation's peanut crop had reached the pegging stage, 2 percentage points ahead of the previous year but equal to the 5-year average. In Georgia, 45 percent of the peanut crop had reached the pegging stage, 2 percentage points behind both the previous year and the average. On June 26, fifty-nine percent of the nation's peanut acreage was rated in good to excellent condition, 7 percentage points below the previous week and 10 points below the same time last year.

Ninety-three percent of the nation's intended 2022 sunflower acreage was planted by June 26, two percentage points behind last year but equal to the 5-year average.

Crop Progress and Condition

Week Ending June 26, 2022

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Soybeans Percent Planted

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
AR	96	96	98	96
IL	96	98	99	95
IN	100	96	100	96
IA	100	99	100	99
KS	94	83	92	94
KY	93	87	94	91
LA	99	100	100	100
MI	100	97	100	94
MN	100	97	100	100
MS	98	99	100	98
MO	95	85	93	91
NE	100	100	100	99
NC	90	86	94	88
ND	100	92	97	99
OH	100	90	96	94
SD	100	98	99	98
TN	91	86	93	91
WI	100	97	98	98
18 Sts	99	94	98	97

These 18 States planted 96% of last year's soybean acreage.

Soybeans Percent Emerged

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
AR	91	90	94	91
IL	96	93	96	92
IN	99	89	96	89
IA	99	93	97	95
KS	85	70	82	86
KY	81	72	81	79
LA	94	100	100	98
MI	100	88	95	86
MN	100	83	93	97
MS	96	96	97	95
MO	87	69	79	82
NE	98	94	97	97
NC	81	78	85	79
ND	96	58	80	94
OH	99	74	85	87
SD	99	82	95	93
TN	82	77	83	81
WI	99	89	93	92
18 Sts	95	83	91	91

These 18 States planted 96% of last year's soybean acreage.

Soybeans Percent Blooming

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
AR	44	34	51	46
IL	7	NA	2	10
IN	7	NA	3	7
IA	17	NA	2	8
KS	13	NA	1	7
KY	5	NA	7	5
LA	65	72	82	67
MI	0	NA	5	1
MN	12	NA	1	5
MS	45	57	66	50
MO	6	NA	1	6
NE	20	NA	6	15
NC	4	1	8	5
ND	2	NA	0	2
OH	7	NA	0	6
SD	9	NA	0	7
TN	6	3	12	9
WI	10	0	2	4
18 Sts	13	NA	7	11

These 18 States planted 96% of last year's soybean acreage.

Soybean Condition by Percent

	VP	P	F	G	EX
AR	1	3	19	59	18
IL	3	7	24	54	12
IN	3	9	27	53	8
IA	1	2	17	65	15
KS	1	4	30	57	8
KY	0	3	39	53	5
LA	1	6	20	66	7
MI	0	4	32	52	12
MN	1	3	35	53	8
MS	4	12	19	48	17
MO	1	5	35	54	5
NE	4	8	26	50	12
NC	11	21	29	36	3
ND	0	4	29	61	6
OH	3	12	36	40	9
SD	0	2	25	65	8
TN	4	10	30	49	7
WI	1	3	19	61	16
18 Sts	2	6	27	55	10
Prev Wk	1	5	26	58	10
Prev Yr	2	7	31	50	10

Corn Percent Silking

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
CO	0	NA	0	0
IL	0	NA	0	3
IN	1	NA	0	2
IA	0	NA	0	1
KS	7	2	9	9
KY	10	NA	10	16
MI	0	NA	0	0
MN	0	NA	0	0
MO	2	NA	1	8
NE	0	NA	0	1
NC	49	16	39	50
ND	0	NA	0	0
OH	0	NA	0	1
PA	0	NA	0	0
SD	0	NA	0	0
TN	22	11	24	31
TX	66	61	70	60
WI	0	NA	0	0
18 Sts	4	NA	4	4

These 18 States planted 92% of last year's corn acreage.

Corn Condition by Percent

	VP	P	F	G	EX
CO	2	10	41	32	15
IL	2	5	23	59	11
IN	3	9	29	50	9
IA	1	3	16	63	17
KS	1	10	30	48	11
KY	1	4	38	51	6
MI	1	3	27	53	16
MN	1	4	31	53	11
MO	1	5	25	61	8
NE	3	9	24	51	13
NC	12	20	28	36	4
ND	0	2	28	58	12
OH	4	12	35	38	11
PA	0	2	10	78	10
SD	0	2	23	62	13
TN	3	8	31	49	9
TX	8	30	38	19	5
WI	1	3	18	62	16
18 Sts	2	6	25	55	12
Prev Wk	1	5	24	57	13
Prev Yr	2	6	28	51	13

Crop Progress and Condition

Week Ending June 26, 2022

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Cotton Percent Squaring

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
AL	23	29	47	40
AZ	75	58	76	65
AR	20	26	51	63
CA	46	25	35	40
GA	50	26	42	48
KS	28	13	28	19
LA	56	74	83	64
MS	15	14	31	29
MO	74	6	27	37
NC	29	13	26	37
OK	9	0	10	16
SC	31	13	29	33
TN	30	25	33	39
TX	28	23	29	28
VA	24	35	49	38
15 Sts	30	22	33	33

These 15 States planted 99% of last year's cotton acreage.

Cotton Percent Setting Bolls

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
AL	2	0	2	2
AZ	26	9	17	20
AR	1	0	2	7
CA	9	0	5	3
GA	4	1	5	4
KS	0	0	0	0
LA	3	1	12	11
MS	0	0	3	3
MO	8	0	0	2
NC	0	0	0	0
OK	0	0	0	0
SC	1	0	2	2
TN	1	1	3	2
TX	9	10	12	10
VA	4	5	14	1
15 Sts	7	6	8	7

These 15 States planted 99% of last year's cotton acreage.

Cotton Condition by Percent

	VP	P	F	G	EX
AL	0	4	20	73	3
AZ	0	0	17	49	34
AR	1	1	20	50	28
CA	0	0	15	80	5
GA	1	10	33	51	5
KS	1	2	57	39	1
LA	1	3	19	73	4
MS	7	11	19	56	7
MO	6	8	26	60	0
NC	1	14	33	50	2
OK	3	9	35	53	0
SC	4	10	27	52	7
TN	9	11	34	42	4
TX	20	26	37	17	0
VA	0	0	18	82	0
15 Sts	12	18	33	34	3
Prev Wk	8	18	34	36	4
Prev Yr	1	6	41	43	9

Sorghum Percent Planted

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
CO	94	74	86	95
KS	93	72	87	91
NE	99	95	98	98
OK	78	60	76	80
SD	99	86	91	97
TX	99	95	99	99
6 Sts	94	80	90	94

These 6 States planted 100% of last year's sorghum acreage.

Sorghum Percent Headed

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
CO	0	0	0	0
KS	0	1	2	2
NE	1	1	1	4
OK	1	0	0	3
SD	5	1	2	1
TX	61	50	60	59
6 Sts	19	15	19	20

These 6 States planted 100% of last year's sorghum acreage.

Sorghum Condition by Percent

	VP	P	F	G	EX
CO	0	5	63	32	0
KS	3	5	38	50	4
NE	1	10	27	57	5
OK	2	3	40	54	1
SD	1	5	32	61	1
TX	17	25	38	19	1
6 Sts	7	11	39	40	3
Prev Wk	5	10	39	43	3
Prev Yr	1	3	26	57	13

Peanuts Percent Pegging

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
AL	15	7	21	30
FL	29	19	36	37
GA	47	27	45	47
NC	23	2	21	19
OK	13	0	0	12
SC	37	11	36	38
TX	4	1	6	4
VA	8	17	28	12
8 Sts	32	18	34	34

These 8 States planted 96% of last year's peanut acreage.

Peanut Condition by Percent

	VP	P	F	G	EX
AL	0	1	19	79	1
FL	1	2	32	64	1
GA	1	6	36	50	7
NC	1	6	28	60	5
OK	0	0	26	74	0
SC	1	7	33	48	11
TX	4	17	49	25	5
VA	0	0	16	83	1
8 Sts	1	6	34	54	5
Prev Wk	1	6	27	59	7
Prev Yr	1	2	28	58	11

Sunflowers Percent Planted

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
CO	91	67	76	86
KS	87	59	77	84
ND	95	83	93	96
SD	96	83	97	93
4 Sts	95	81	93	93

These 4 States planted 86% of last year's sunflower acreage.

Crop Progress and Condition

Week Ending June 26, 2022

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Winter Wheat Percent Headed

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
AR	100	100	100	100
CA	100	100	100	100
CO	97	98	99	98
ID	88	44	75	90
IL	100	100	100	100
IN	100	100	100	100
KS	100	100	100	100
MI	98	91	95	91
MO	100	100	100	100
MT	69	40	55	72
NE	100	95	98	98
NC	100	100	100	100
OH	100	97	100	100
OK	100	100	100	100
OR	100	97	98	100
SD	97	76	95	95
TX	100	100	100	100
WA	100	67	87	99
18 Sts	98	91	95	98

These 18 States planted 89% of last year's winter wheat acreage.

Winter Wheat Percent Harvested

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
AR	83	71	85	90
CA	57	40	55	52
CO	1	0	0	5
ID	0	0	0	0
IL	56	18	66	57
IN	23	7	32	27
KS	37	27	59	40
MI	0	0	0	0
MO	48	34	65	58
MT	0	0	0	0
NE	1	0	1	2
NC	65	53	72	72
OH	3	0	3	6
OK	76	72	90	82
OR	1	0	0	0
SD	0	0	0	0
TX	73	72	80	79
WA	0	0	0	0
18 Sts	31	25	41	35

These 18 States harvested 91% of last year's winter wheat acreage.

Winter Wheat Condition by Percent

	VP	P	F	G	EX
AR	0	4	22	45	29
CA	0	0	10	90	0
CO	31	27	29	13	0
ID	2	8	19	56	15
IL	4	9	19	54	14
IN	3	6	26	48	17
KS	16	23	32	26	3
MI	3	16	33	42	6
MO	1	11	27	52	9
MT	19	29	30	18	4
NE	16	18	44	19	3
NC	0	2	23	65	10
OH	5	8	34	39	14
OK	35	21	30	12	2
OR	2	2	19	43	34
SD	2	19	36	32	11
TX	60	23	12	4	1
WA	1	3	23	59	14
18 Sts	24	19	27	25	5
Prev Wk	23	20	27	25	5
Prev Yr	6	15	31	39	9

Spring Wheat Percent Emerged

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
ID	100	95	99	98
MN	100	93	100	100
MT	100	98	99	97
ND	100	80	97	100
SD	100	98	100	100
WA	100	99	100	100
6 Sts	100	89	98	99

These 6 States planted 100% of last year's spring wheat acreage.

Spring Wheat Percent Headed

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
ID	37	9	29	35
MN	81	NA	1	47
MT	26	NA	2	19
ND	39	NA	3	29
SD	77	15	45	65
WA	83	15	36	74
6 Sts	45	NA	8	34

These 6 States planted 100% of last year's spring wheat acreage.

Spring Wheat Condition by Percent

	VP	P	F	G	EX
ID	1	3	27	57	12
MN	0	1	35	58	6
MT	10	15	47	27	1
ND	0	1	30	62	7
SD	1	9	22	63	5
WA	0	3	4	82	11
6 Sts	3	5	33	53	6
Prev Wk	1	5	35	52	7
Prev Yr	14	25	41	18	2

Barley Percent Headed

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
ID	50	19	42	48
MN	70	0	9	46
MT	26	5	15	17
ND	38	0	2	27
WA	87	21	45	70
5 Sts	40	8	19	31

These 5 States planted 82% of last year's barley acreage.

Barley Condition by Percent

	VP	P	F	G	EX
ID	2	3	24	56	15
MN	0	1	49	45	5
MT	15	25	32	27	1
ND	0	1	26	65	8
WA	0	1	10	81	8
5 Sts	7	12	28	46	7
Prev Wk	5	14	30	45	6
Prev Yr	7	18	44	23	8

Crop Progress and Condition

Week Ending June 26, 2022

Weekly U.S. Progress and Condition Data provided by USDA/NASS

Oats Percent Headed

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
IA	83	62	80	81
MN	68	4	19	57
NE	92	73	93	87
ND	26	0	2	24
OH	87	52	67	78
PA	55	13	53	56
SD	89	35	57	72
TX	100	100	100	100
WI	76	16	37	53
9 Sts	75	42	54	68

These 9 States planted 69% of last year's oat acreage.

Oat Condition by Percent

	VP	P	F	G	EX
IA	1	1	17	63	18
MN	1	3	33	54	9
NE	11	16	24	45	4
ND	0	1	17	77	5
OH	0	1	36	53	10
PA	0	10	20	69	1
SD	0	7	28	57	8
TX	48	30	13	8	1
WI	0	1	16	67	16
9 Sts	12	10	20	51	7
Prev Wk	11	9	20	53	7
Prev Yr	6	20	37	32	5

VP - Very Poor; P - Poor;
F - Fair;
G - Good; EX - Excellent

NA - Not Available
* Revised

Rice Percent Headed

	Prev Year	Prev Week	Jun 26 2022	5-Yr Avg
AR	0	0	1	1
CA	9	0	5	5
LA	23	22	39	36
MS	6	4	13	11
MO	0	0	0	1
TX	30	17	32	32
6 Sts	7	5	10	9

These 6 States planted 100% of last year's rice acreage.

Rice Condition by Percent

	VP	P	F	G	EX
AR	0	2	27	52	19
CA	0	0	10	60	30
LA	0	0	19	76	5
MS	3	9	20	60	8
MO	0	6	27	56	11
TX	0	0	63	27	10
6 Sts	0	2	25	56	17
Prev Wk	0	1	27	58	14
Prev Yr	1	3	23	59	14

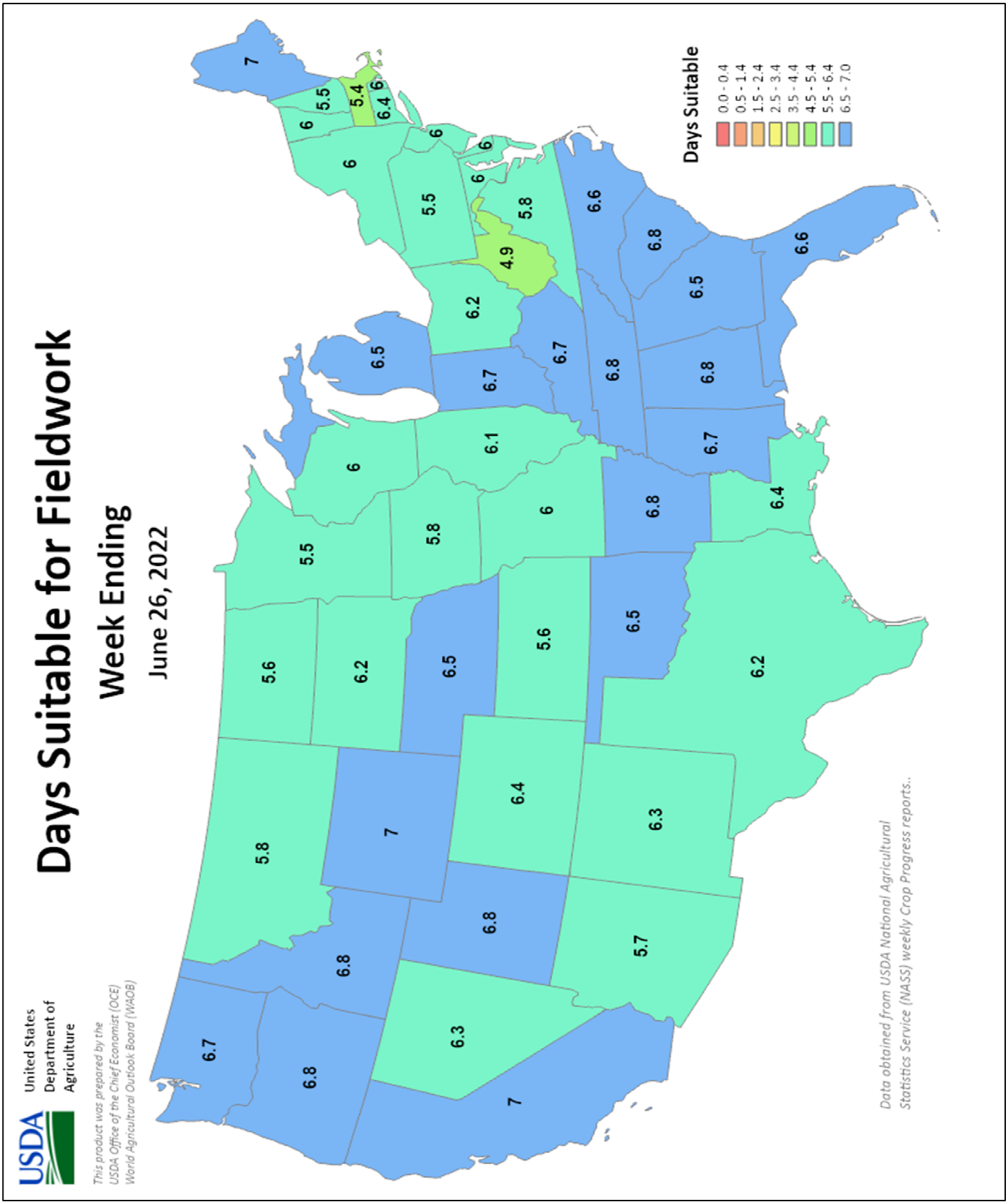
Pasture and Range Condition by Percent
Week Ending Jun 26, 2022

	VP	P	F	G	EX		VP	P	F	G	EX
AL	1	5	33	61	0	NH	0	0	37	57	6
AZ	31	37	24	8	0	NJ	0	0	26	74	0
AR	0	15	39	41	5	NM	17	54	22	6	1
CA	5	25	30	40	0	NY	0	4	42	45	9
CO	21	23	27	26	3	NC	21	26	30	22	1
CT	0	21	79	0	0	ND	0	3	26	58	13
DE	1	2	34	55	8	OH	1	4	18	66	11
FL	4	6	32	43	15	OK	13	11	27	48	1
GA	8	21	41	27	3	OR	1	12	32	42	13
ID	1	4	12	56	27	PA	4	8	37	48	3
IL	4	5	30	51	10	RI	0	0	0	100	0
IN	2	7	27	55	9	SC	8	26	48	17	1
IA	1	5	32	49	13	SD	5	18	31	39	7
KS	12	15	29	40	4	TN	4	20	43	30	3
KY	1	10	36	46	7	TX	43	32	18	7	0
LA	1	7	40	50	2	UT	7	32	34	27	0
ME	0	4	9	60	27	VT	0	0	27	56	17
MD	8	6	10	46	30	VA	1	11	32	51	5
MA	0	6	20	62	12	WA	3	2	30	56	9
MI	1	6	30	58	5	WV	0	2	12	79	7
MN	1	5	23	56	15	WI	1	4	18	61	16
MS	3	19	35	37	6	WY	4	18	30	48	0
MO	1	3	36	54	6	48 Sts	19	24	26	28	3
MT	21	17	23	38	1						
NE	12	29	33	24	2	Prev Wk	19	23	27	28	3
NV	0	15	55	30	0	Prev Yr	21	22	26	25	6

Crop Progress and Condition

Week Ending June 26, 2022

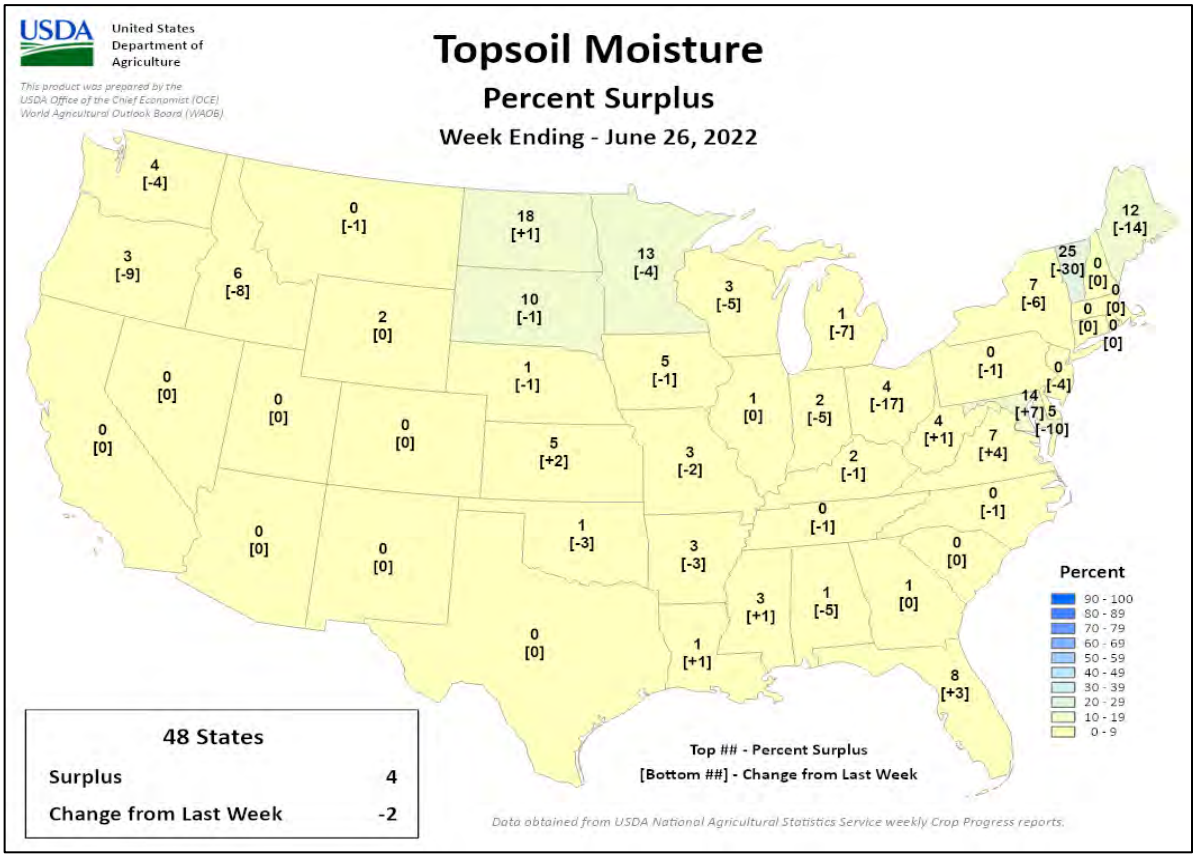
Weekly U.S. Progress and Condition Data provided by USDA/NASS

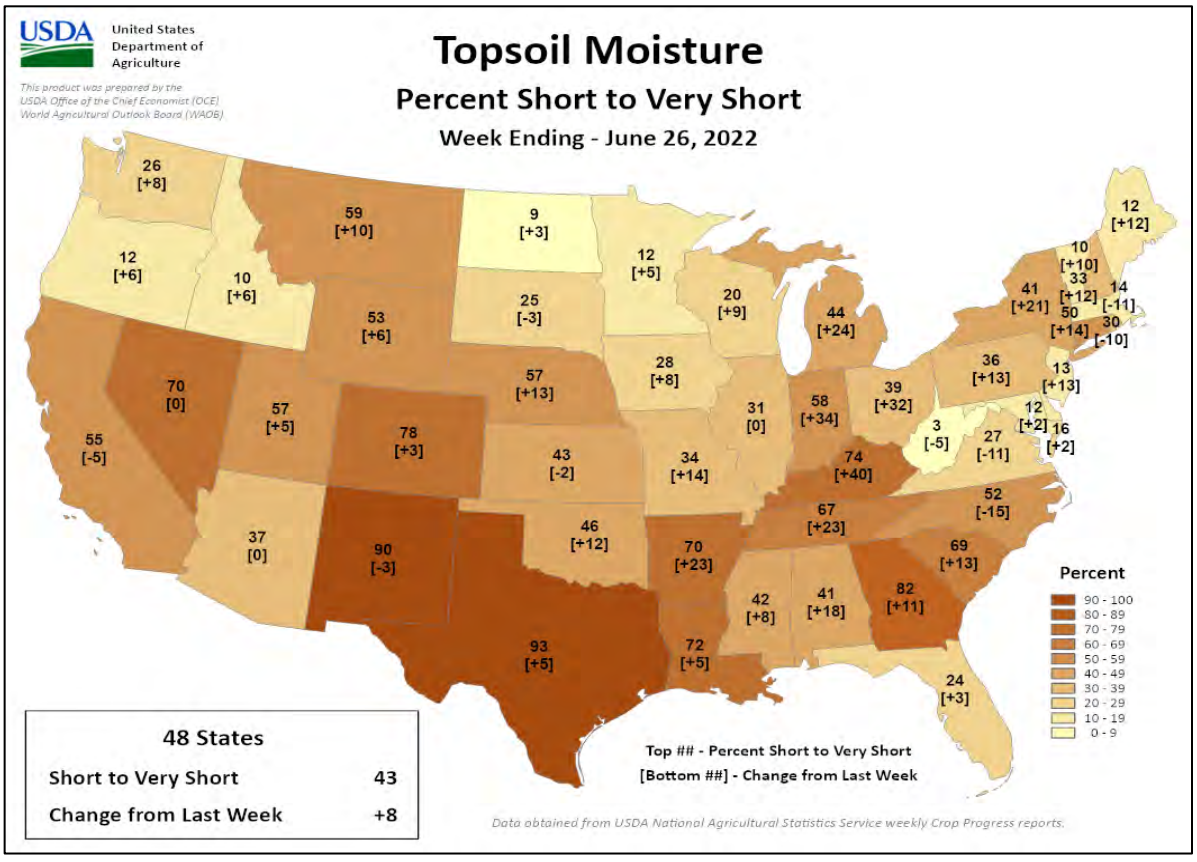


Crop Progress and Condition

Week Ending June 26, 2022

Weekly U.S. Progress and Condition Data provided by USDA/NASS

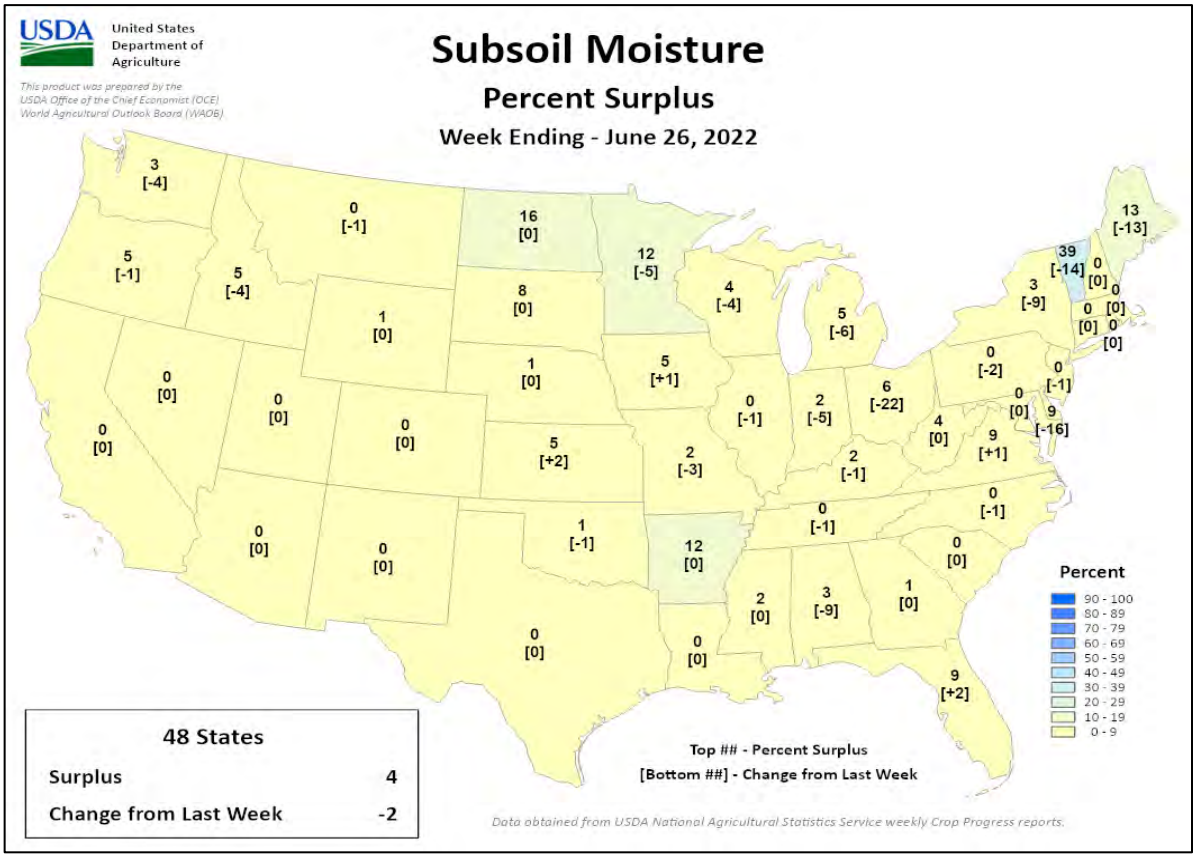


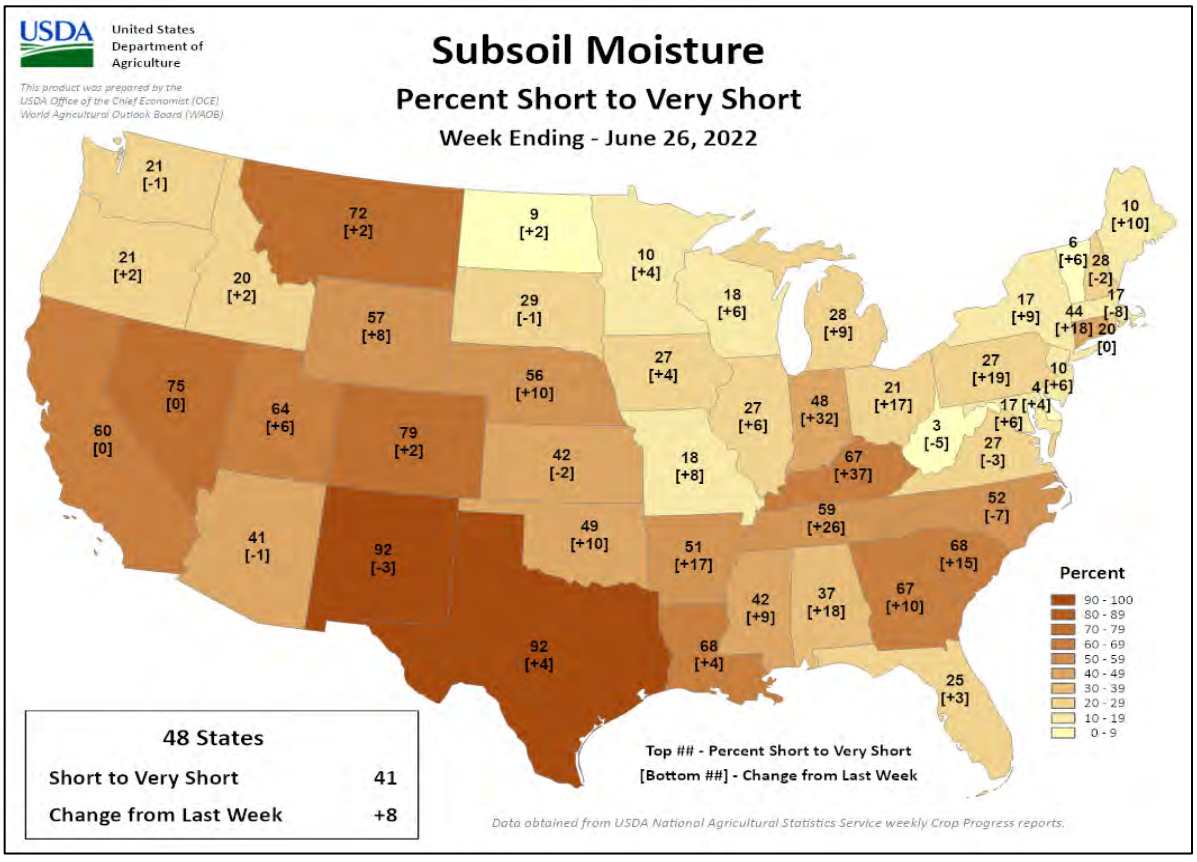


Crop Progress and Condition

Week Ending June 26, 2022

Weekly U.S. Progress and Condition Data provided by USDA/NASS





International Weather and Crop Summary

June 19-25, 2022

International Weather and Crop Highlights and Summaries provided by USDA/WAOB

HIGHLIGHTS

EUROPE: Rain eased heat and drought in France, while drought continued to afflict summer crops in Italy and parts of Spain.

WESTERN FSU: Rain provided timely moisture for vegetative corn, soybeans, and sunflowers in Ukraine and southwestern Russia.

EASTERN FSU: Widespread locally heavy showers favored vegetative spring grains in the north but raised crop quality concerns for eastern cotton areas in the south.

MIDDLE EAST: Widespread moderate to heavy showers in Turkey maintained overall favorable conditions for vegetative to reproductive summer crops.

SOUTH ASIA: Showers expanded across India, boosting soil moisture and recharging irrigation supplies in key central growing areas.

EAST ASIA: Moisture conditions remained favorable for summer crops across China, although localized heat caused some stress.

SOUTHEAST ASIA: Continued region-wide showers benefited seasonal rice and other crops, although drier conditions have developed in Thailand and environs.

AUSTRALIA: Showers further benefited winter crops in the south and west.

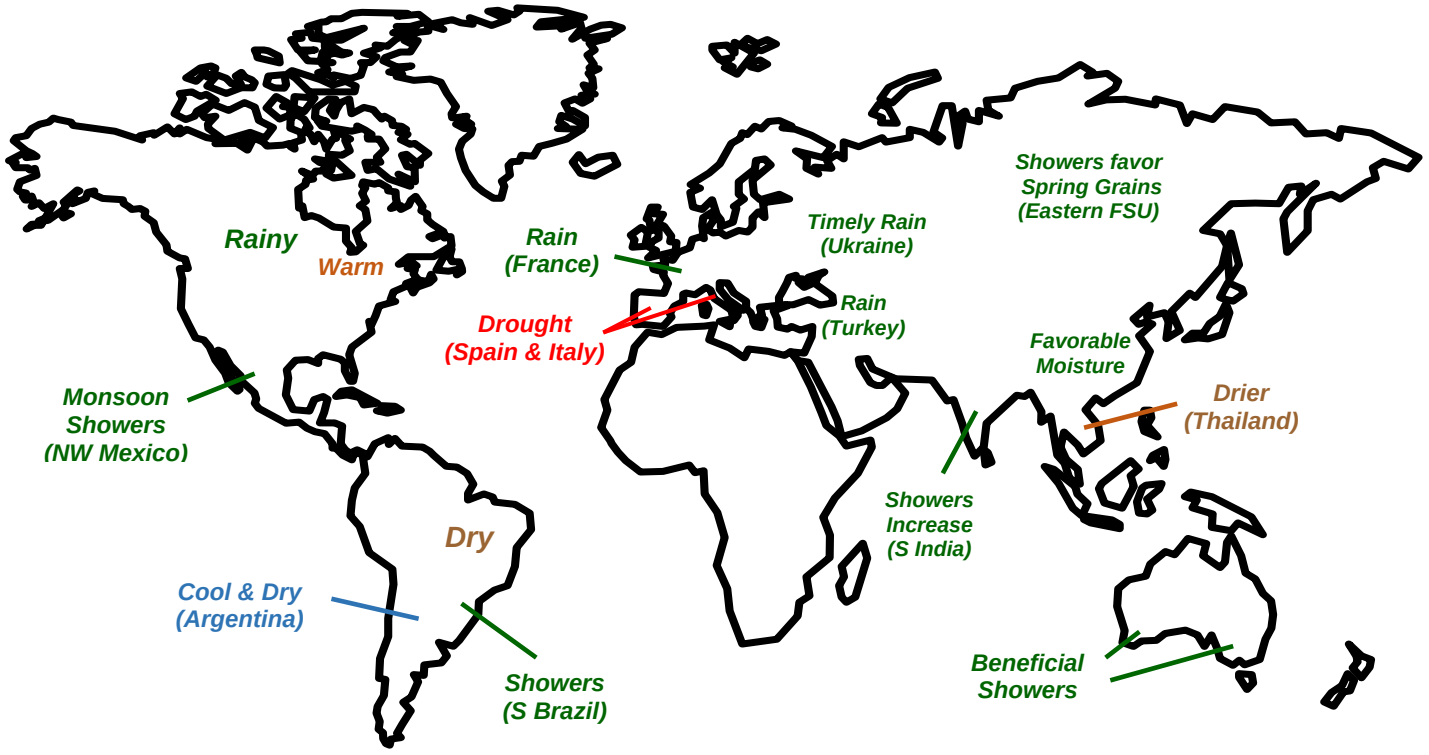
ARGENTINA: Cool, dry weather supported summer crop harvesting and winter grain planting.

BRAZIL: Warm, sunny weather promoted rapid drydown and harvesting of corn and cotton in central Brazil.

MEXICO: Monsoon showers intensified over northwestern watersheds.

CANADIAN PRAIRIES: Wet weather disrupted the final stages of spring planting in eastern farming areas.

SOUTHEASTERN CANADA: Warm, sunny weather spurred growth of crops and forage in Ontario.



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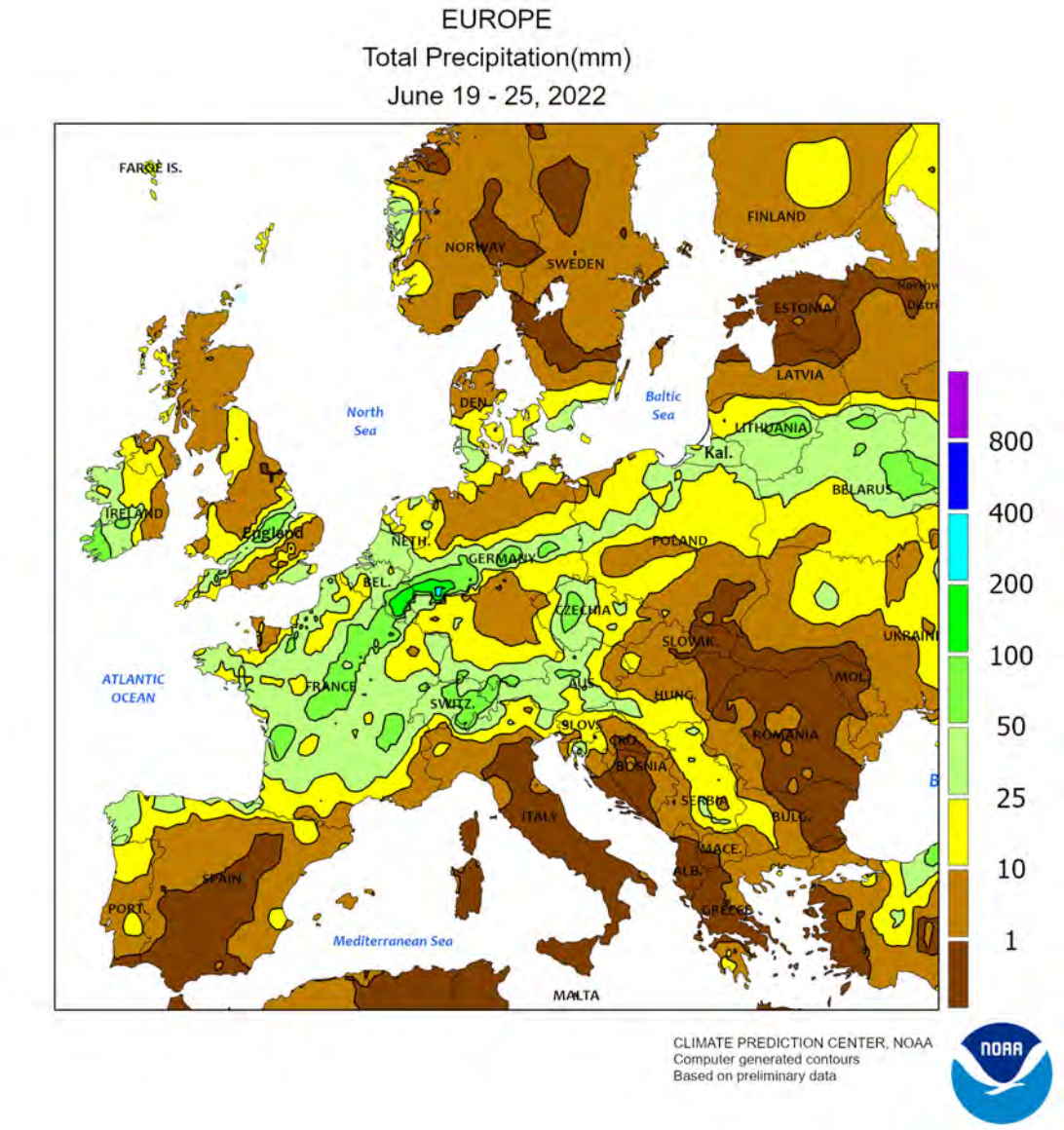

EUROPE

Much-needed rain eased extreme heat and dryness in France, while drought intensified in Italy and parts of Spain. In France, widespread soaking rain (10-65 mm) brought an end to the recent heat wave and provided much-needed soil moisture for corn, sunflowers, and soybeans which have been hastened into reproduction more than two weeks ahead of average by hot June weather. Nevertheless, temperatures in eastern France averaged up to 7°C above normal where rain did not arrive until week's end. Meanwhile, light to moderate showers (2-25 mm) across the remainder of northern Europe favored spring grains and oilseeds, though heavy rain in Lithuania (locally more than 60 mm) boosted moisture for reproductive to filling winter crops. Farther south, cooler weather on the Iberian Peninsula (2-4°C below normal) helped reduce crop stress somewhat, though rain largely bypassed Spain's key growing areas. Year-to-date rainfall in Castilla y Leon (northern Spain) was less than 70 percent of normal, the fifth driest over the past 30 years. Hot weather in Italy (up to 5°C above normal) compounded the impacts of record-setting drought on summer crops approaching or progressing through reproduction more than one week ahead of average. Year-to-date rainfall in Italy's Po River Valley (corn and soybeans) and Toscana (sunflower areas of west-central Italy) have tallied a meager 45 percent of average, the driest of the past 30 years in both locales. In southeastern Europe, 10 to 35 mm of rain from southwestern Hungary southward into northwestern Bulgaria contrasted with dry weather elsewhere. Acute short-term dryness and drought have adversely affected filling winter crops from northern Serbia into southeastern Hungary, while crop conditions remained favorable over western Hungary and the lower Danube River Valley.

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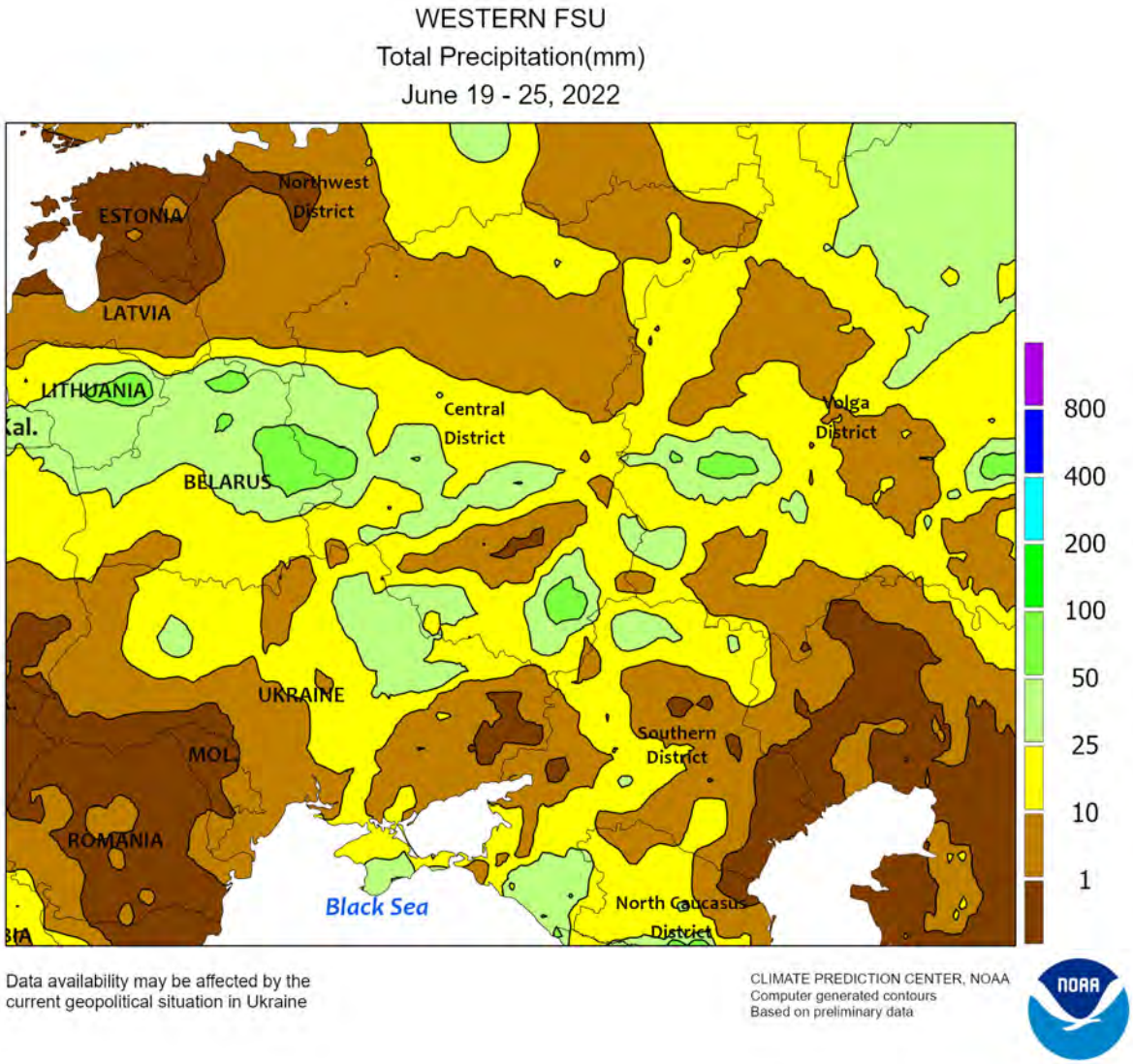

WESTERN FSU

Widespread rain maintained or improved moisture supplies for spring grains and summer crops. Moderate to heavy showers (10-50 mm) in Ukraine and southwestern Russia eased short-term dryness and provided timely soil moisture for summer crops in the latter vegetative stages of development. However, rain largely bypassed croplands from southeastern Ukraine into the Rostov Oblast of Russia's Southern District. Meanwhile, a ribbon of moderate to very heavy rain (10-105 mm) extended from Belarus southeastward into west-central Russia, maintaining abundant moisture supplies for filling winter crops as well as vegetative to reproductive spring grains. Despite the overall wet weather pattern, dry weather (less than 5 mm) maintained short-term drought in Moldova and southwestern Ukraine, where 60-day rainfall has totaled less than 50 percent of normal. Temperatures averaged near normal in the south and up to 3°C above normal in northern portions of the region, though no extreme heat was reported.

The WWCB focuses entirely on weather and resultant crop conditions; conflict and unrest are beyond the scope of this publication.

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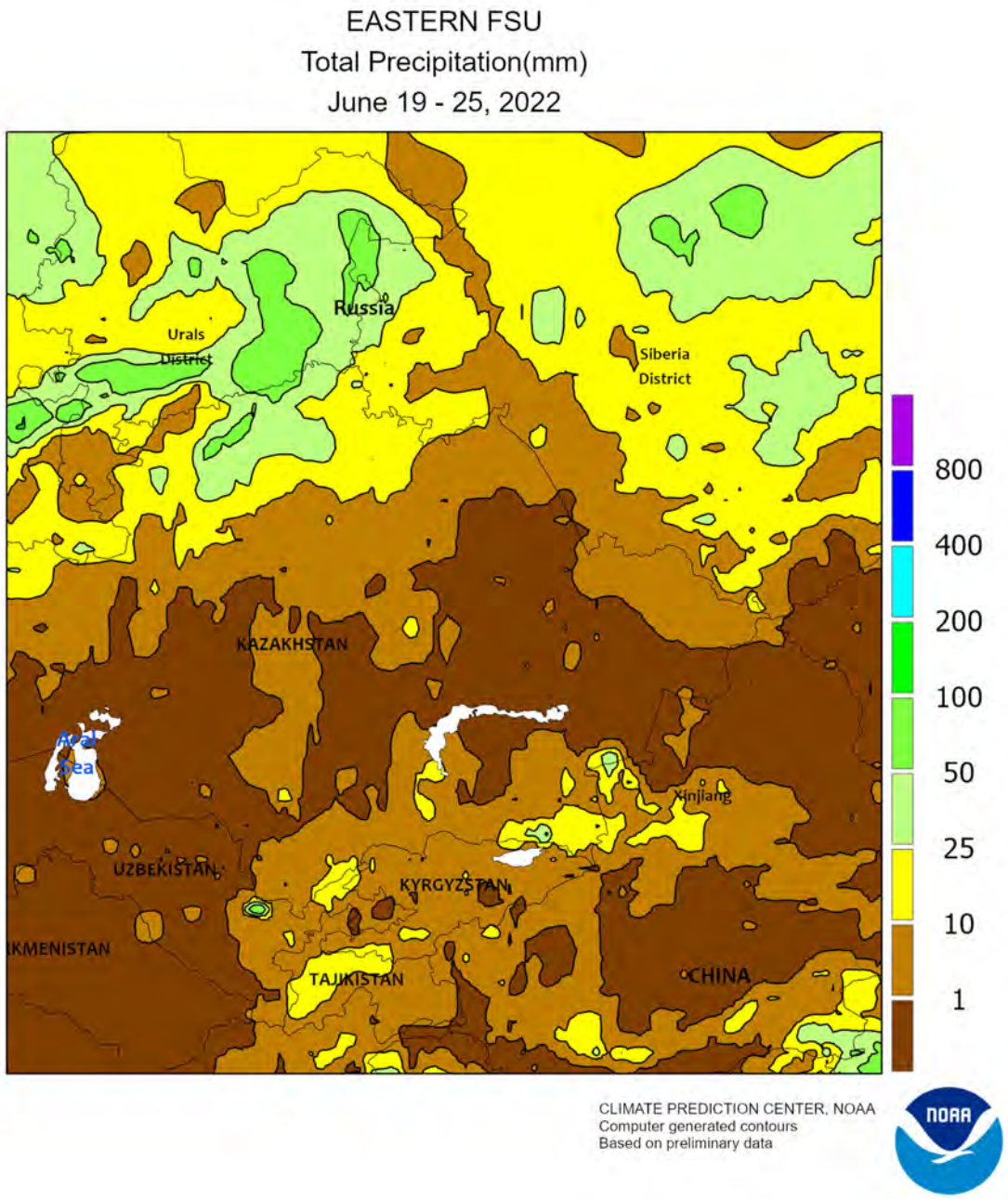

EASTERN FSU

Widespread but highly variable showers prevailed over the spring grain belt in the north as well as eastern portions of the cotton belt in the south. Over northern Kazakhstan and neighboring portions of central Russia, moderate to very heavy rain (10-110 mm) boosted soil moisture for vegetative spring wheat and barley. However, Kazakhstan's southeastern spring grain areas (Akmola Oblast) continued to wrestle with lingering longer-term deficits dating back to the beginning of spring. In Russia's Siberia District, light showers in the west (2-10 mm) transitioned to heavier rain farther east (10-65 mm), sustaining favorable prospects for vegetative spring grains. Farther south, sunny skies and seasonable temperatures over Turkmenistan and western Uzbekistan facilitated the development of squaring to flowering cotton. Meanwhile, additional late-season rain (10-35 mm) in Tajikistan as well as eastern portions of Uzbekistan and Kyrgyzstan hampered winter wheat harvesting but provided supplemental moisture for squaring to flowering cotton; however, summer rain can have adverse impacts on irrigated cotton, especially once crops have reached the flowering stage.

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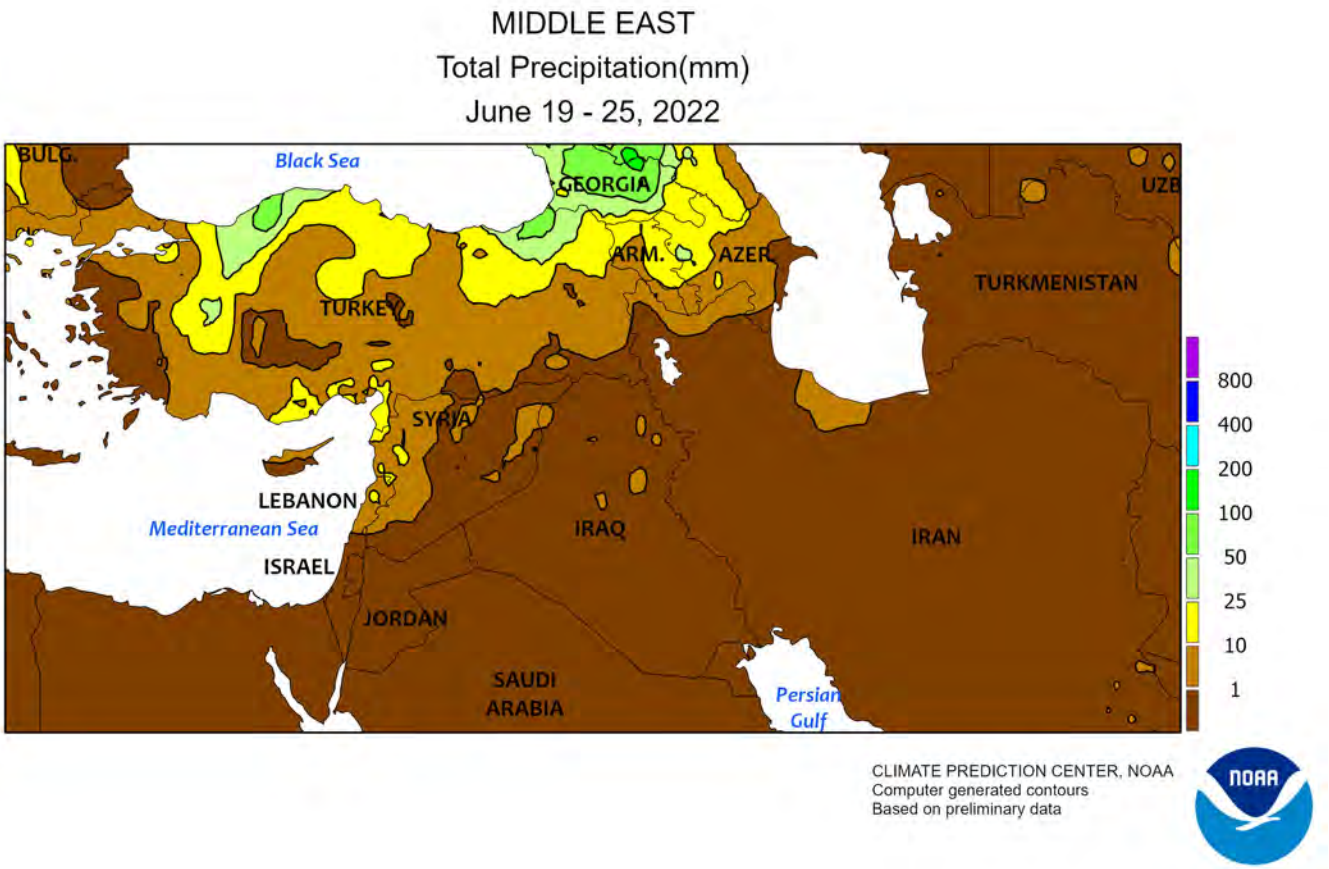

MIDDLE EAST

A stationary storm system over the Black Sea maintained unsettled weather across Turkey. Rain was heaviest (10-100 mm, locally more) in northern portions of the country, boosting moisture supplies for corn and specialty crops adjacent the Black Sea. Showers also ringed the Anatolian Plateau, maintaining supplemental moisture for vegetative to reproductive summer crops. However, dry weather prevailed in primary cotton areas (Aegean Region in the west and the GAP Region in the southeast), though moderate to heavy showers (locally more than 25 mm) were noted near Adana. Most Turkish summer crops were in the late vegetative stages of development, although corn and cotton in the country's warmer south and southeast had entered reproduction. Elsewhere, seasonably dry and warm weather (1-3°C above normal) favored winter grain harvesting from the eastern Mediterranean Coast into Iran.

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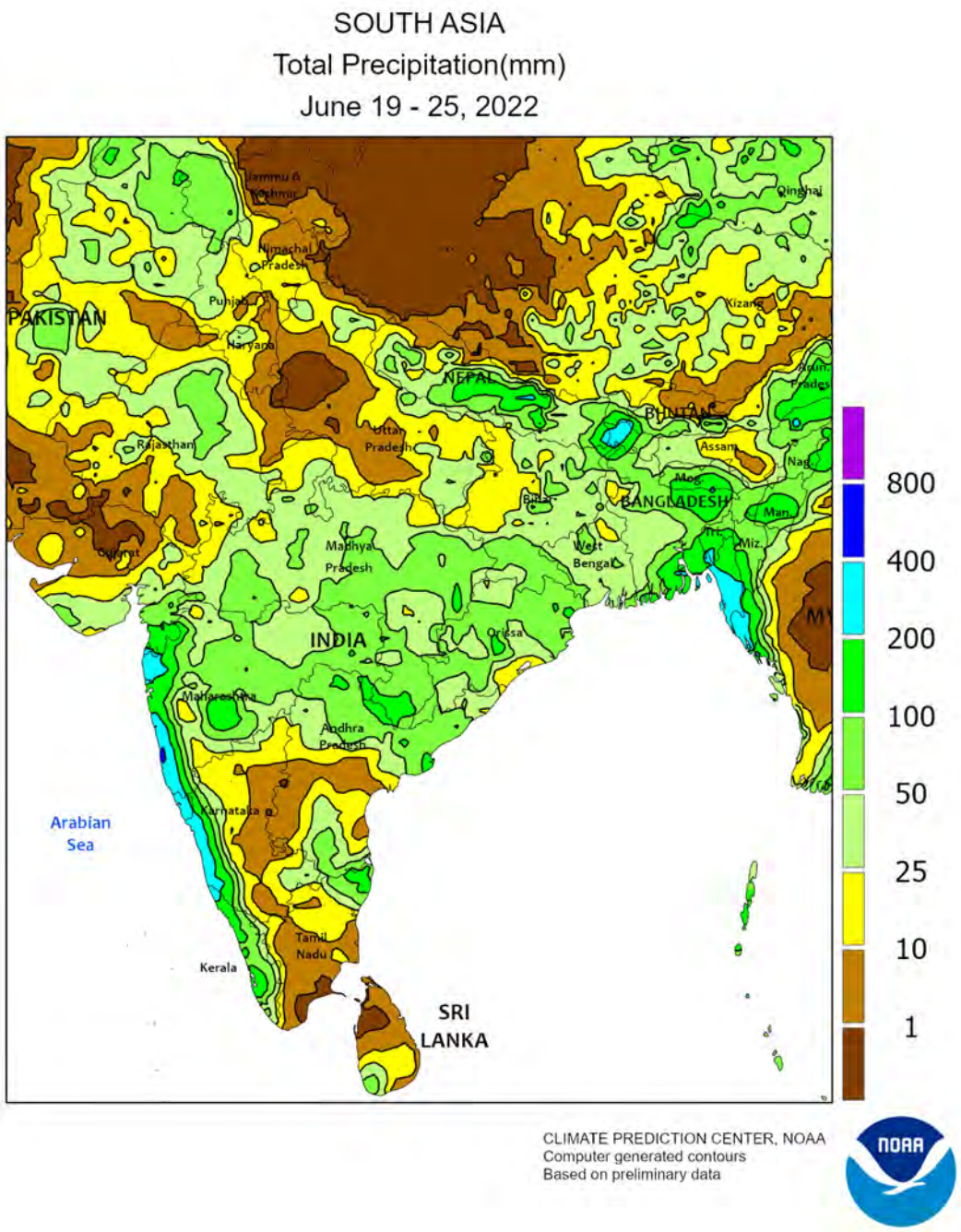

SOUTH ASIA

The northward progression of the southwest monsoon continued at a normal pace across western portions of India and environs but remained slower than normal in the east. Nevertheless, showers covered most of the region, including north of the monsoon boundary, with widespread amounts between 25 and 100 mm in key central growing areas of India. The increased moisture encouraged sowing of cotton and oilseeds as well as other kharif crops. In addition, rainfall in flooded portions of northeastern India eased somewhat, allowing flood waters to recede and sowing (and re-sowing) to resume. Despite the inconsistent rainfall across India for the start of the wet season, June rainfall has been near normal thus far.

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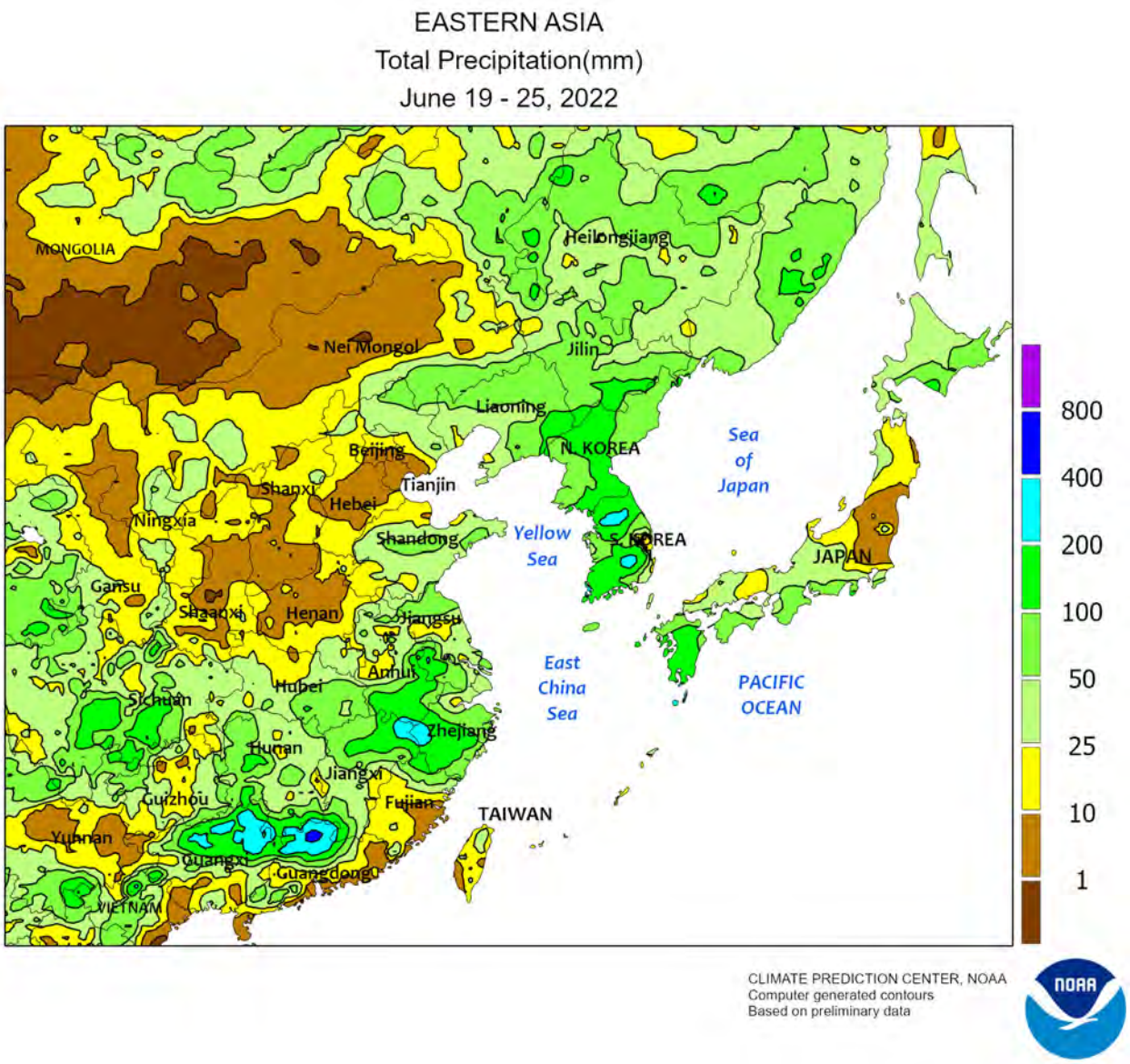

EASTERN ASIA

Showers (25-100 mm or more) continued across northeastern sections of China, benefiting corn and soybeans in the latter vegetative stages of development. June rainfall totals in all key growing areas have been above normal and, in some locations, one of the wettest starts to the growing season in the last 30 years. Likewise, the south continued to receive consistent showers (25-100 mm) with localized downpours (over 200 mm) and is experiencing a much-wetter-than normal June, thus far. Though there has been some localized flooding, moisture conditions have been favorable for rice. Meanwhile, despite much-needed precipitation on the North China Plain (averaging 35 mm), heat (topping 40°C by week's end) stressed vegetative summer crops. Similarly, a brief period of heat in western China caused localized stress to cotton. Elsewhere, widespread showers (50-100 mm, locally more) on the Korean Peninsula greatly eased developing seasonal drought, especially along the western border, while rainfall (25-100 mm) in northern Japan maintained favorable moisture conditions for rice and other summer crops; more rain would be welcome in central and southern growing areas of Japan, though.

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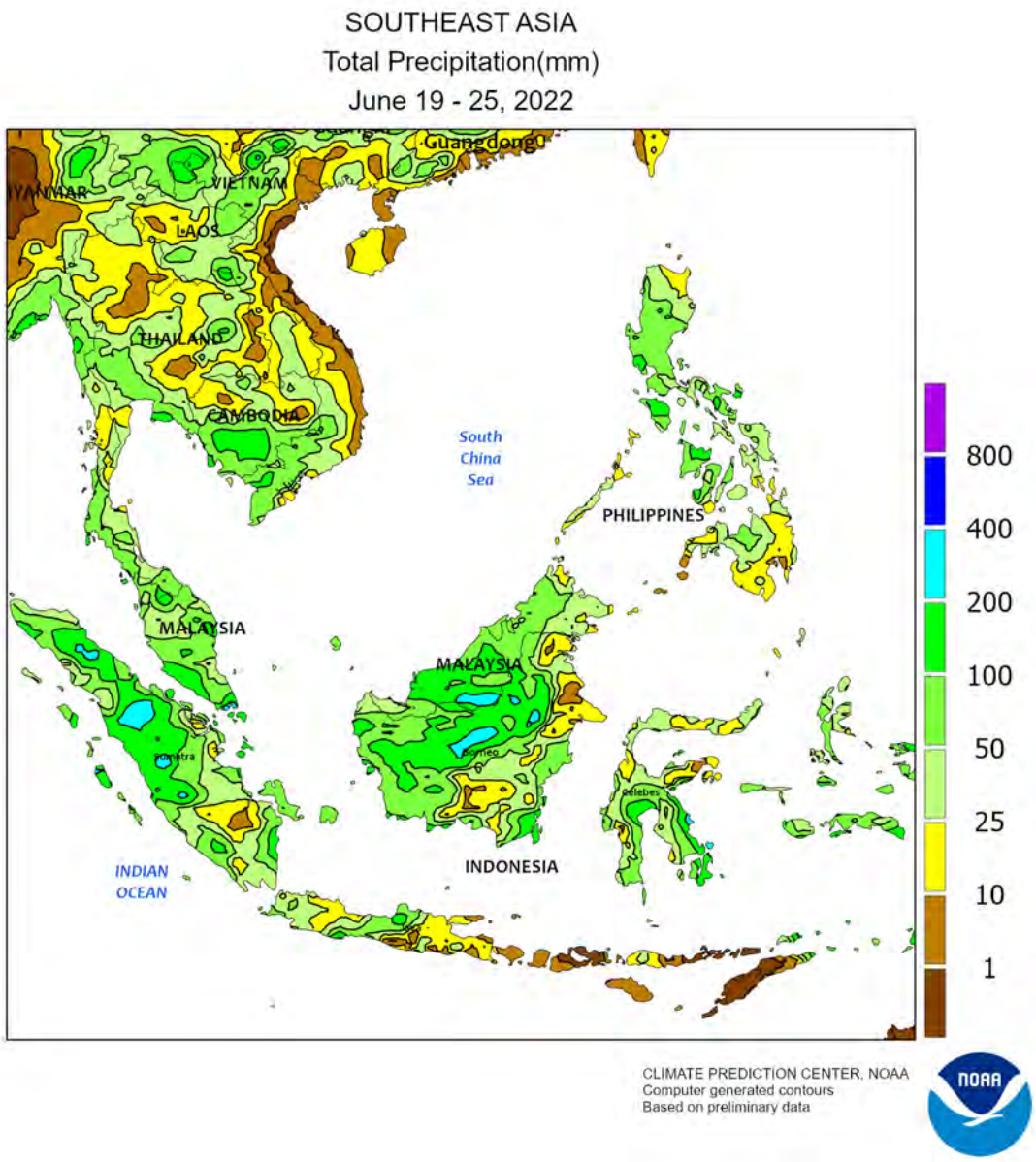

SOUTHEAST ASIA

Monsoon rainfall remained widespread in the region, including the traditionally drier south. Many areas recorded 25 to 100 mm of rain, maintaining favorable seasonal moisture conditions for rice and other crops. However, showers have become more inconsistent in Thailand and the surrounding areas, reversing the early-season trend of above- to well-above-average rainfall. Meanwhile, the continuation of wet weather in Indonesia has resulted in record June rainfall (based on 30 years of data) thus far and ensured ample moisture for oil palm and off-season rice.

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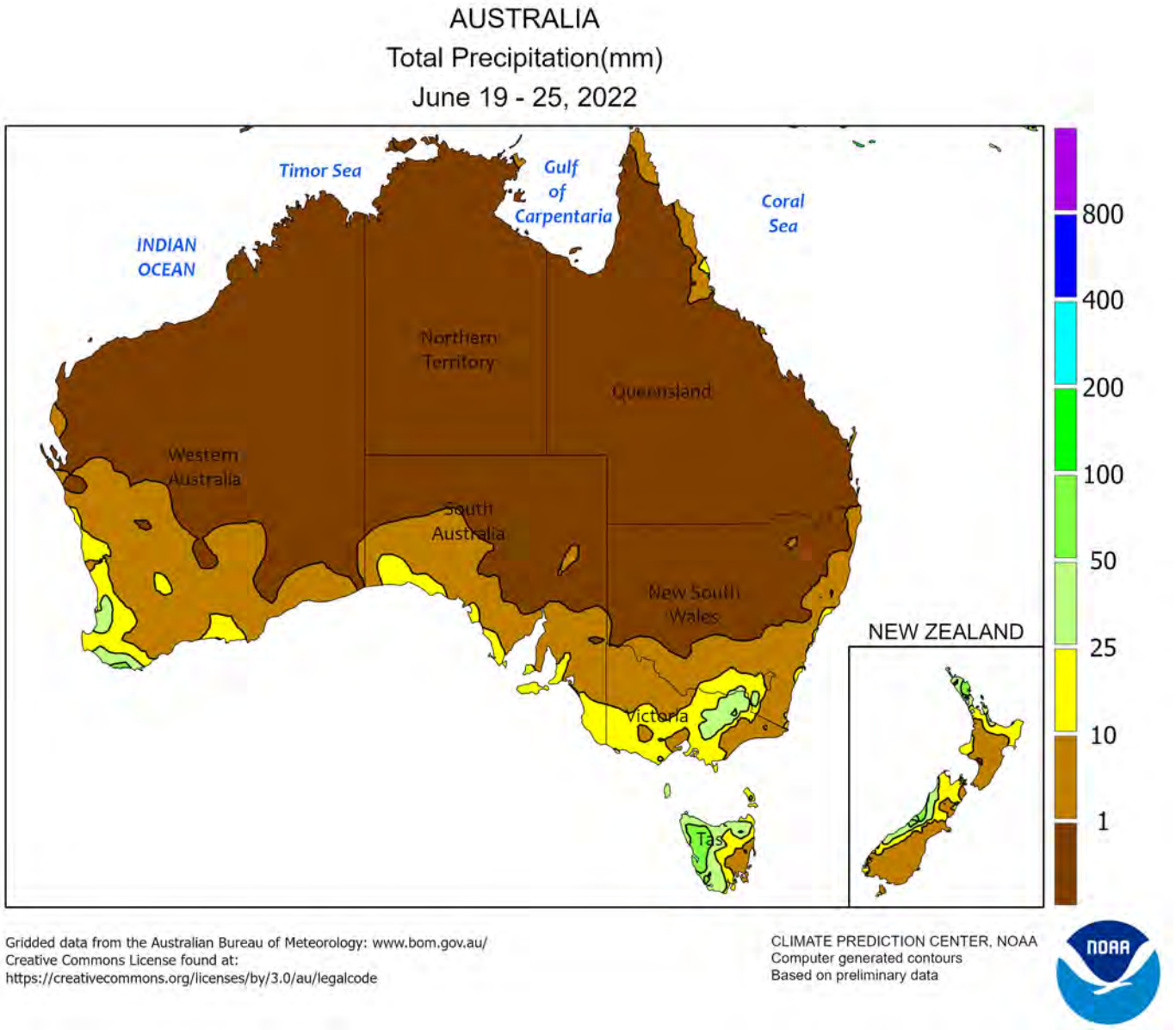

AUSTRALIA

In southern and western portions of the wheat belt, passing showers (5-10 mm, locally near 25 mm) and relatively warm weather continued to favor wheat, barley, and canola emergence and establishment. Soil moisture remained near to above average in most areas, helping to maintain good to excellent crop conditions and early-season yield prospects. Elsewhere, a combination of sunny skies and abundant soil moisture spurred winter wheat development in northern New South Wales and southern Queensland. The drier weather benefited fieldwork as well, including final sorghum harvesting and late winter crop planting. Temperatures averaged near normal in the northeast and 1 to 2ºC above normal in the south and west, with maximum temperatures generally in the upper 10s and lower 20s (degrees C) throughout the wheat belt.

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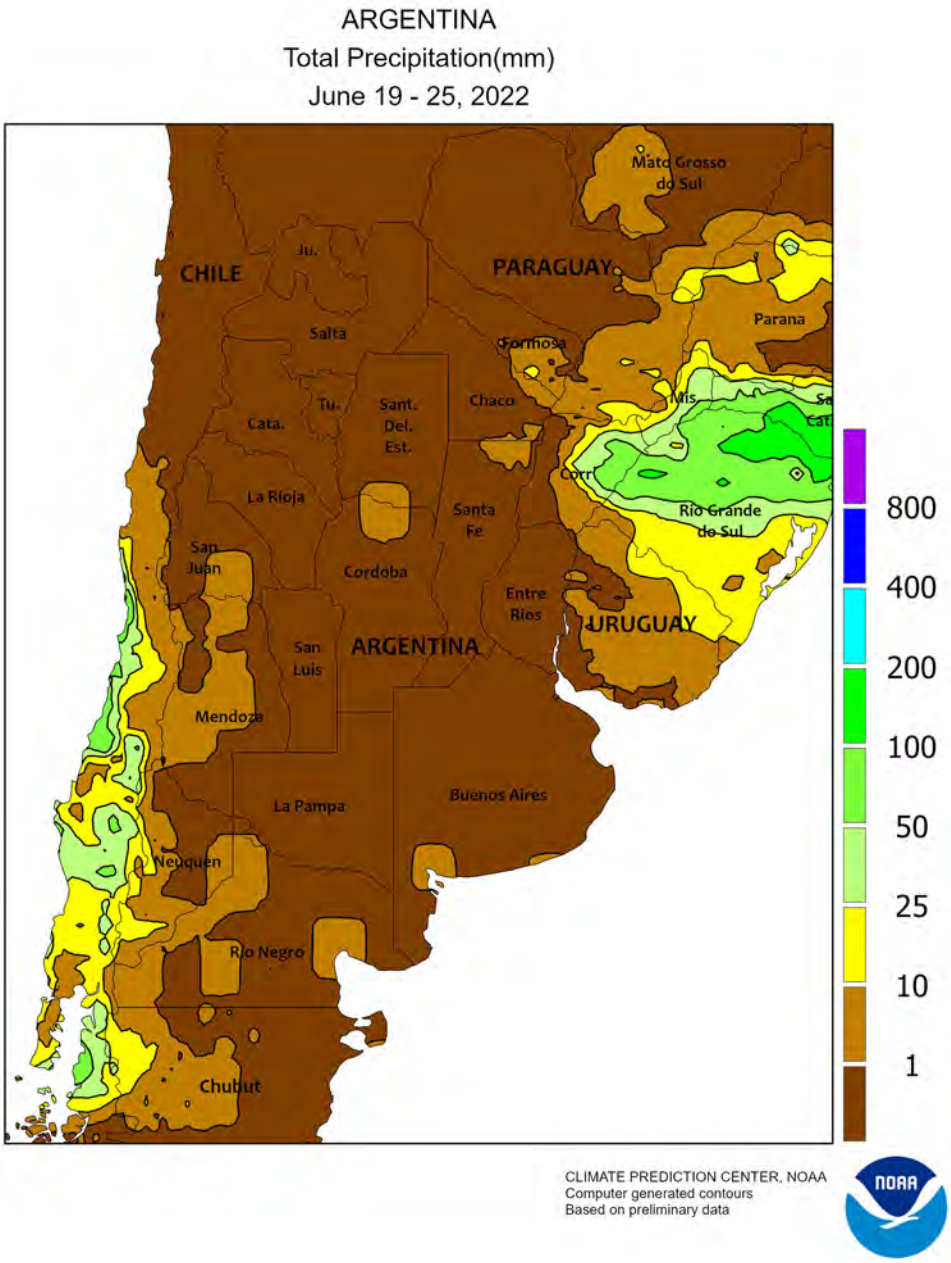

ARGENTINA

Dry weather maintained generally favorable conditions for summer crop harvesting and winter grain planting. Complete dryness dominated the region, with only a few locations in the far northeast (notably Misiones) recording rainfall totaling more than 10 mm. Weekly average temperatures were 2 to 4°C below normal, with freezes throughout southern and western farming areas and nighttime lows dropping below 5°C elsewhere. According to the government of Argentina, corn was 68 percent harvested as of June 23, while cotton was 63 percent harvested. Additionally, wheat and barley were 60 and 49 percent planted, respectively.

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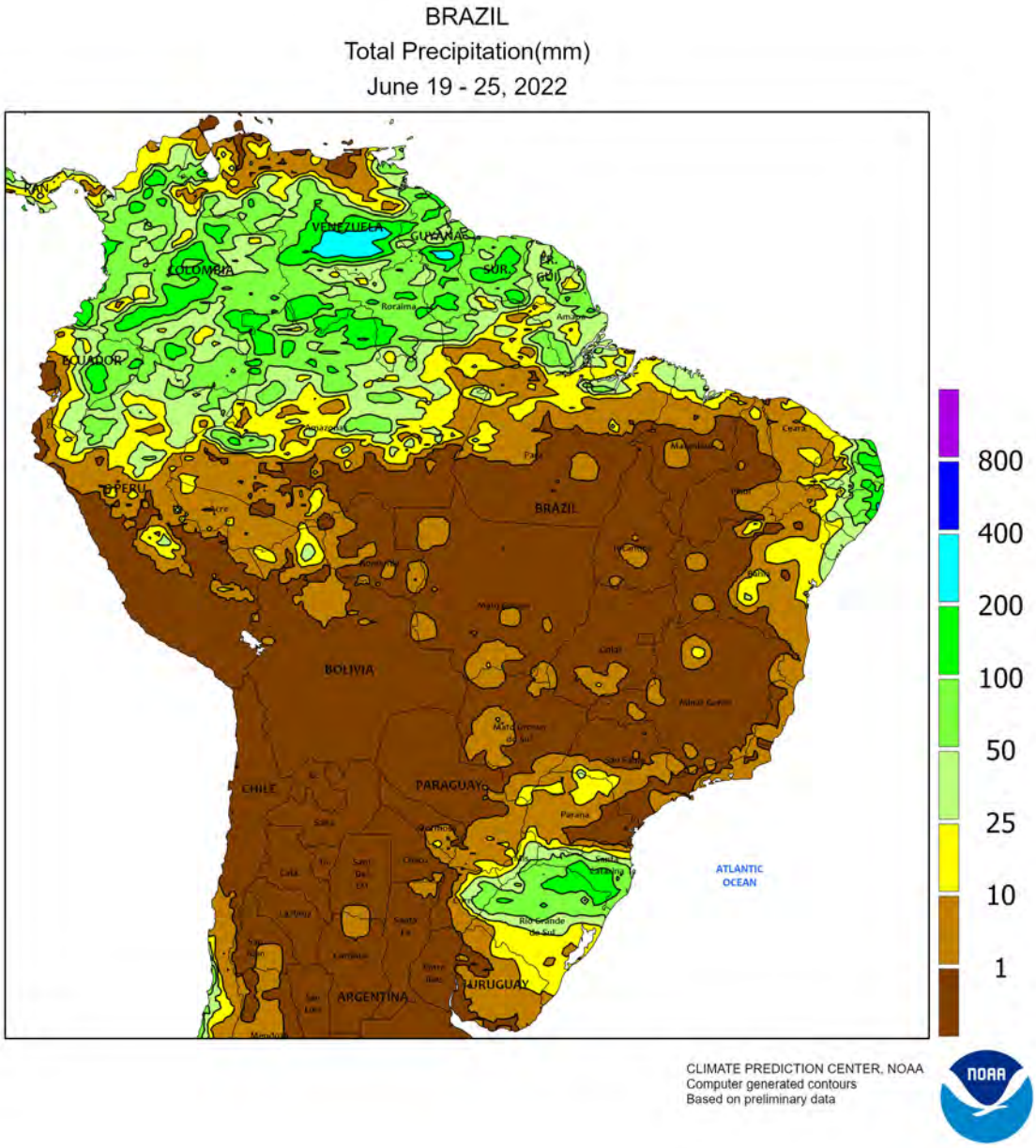

BRAZIL

Warm, sunny weather spurred rapid maturation and harvesting of corn and cotton in the main production areas of central and northeastern Brazil. Much of the region was completely dry, with seasonal rainfall (10-50 mm, locally reaching 100 mm) confined to the northeastern coast. Near- to above-normal temperatures accompanied the dryness, with daytime highs reaching the middle 30s (degrees C) in Mato Gross, Tocantins, and environs. According to the government of Mato Grosso, corn was 36 percent harvested as of June 24, compared to 10 percent last year; cotton was 4 percent harvested, compared with 1 percent last year. Warmth and dryness also dominated most southern farming areas, the exception being Rio Grande do Sul and Santa Catarina, where heavy rain (25 to locally more than 100 mm) fell. Cooler conditions accompanied the rainfall, but freezes were confined to far southern Rio Grande do Sul. According to the government of Rio Grande do Sul, wheat was 57 percent planted as of June 23. In Paraná, second-crop corn was 3 percent harvested as of June 20; meanwhile, wheat was 82 percent planted.

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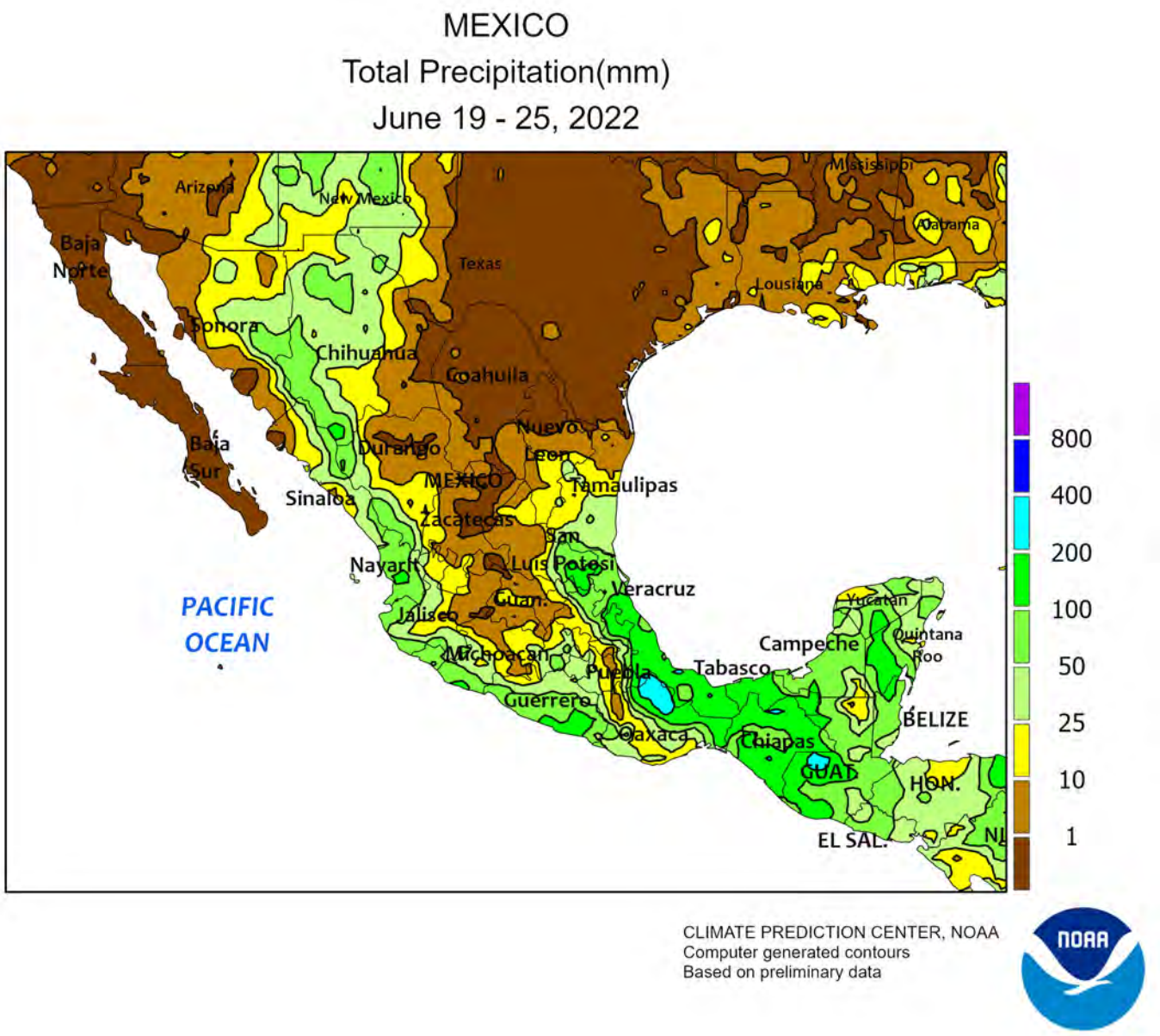
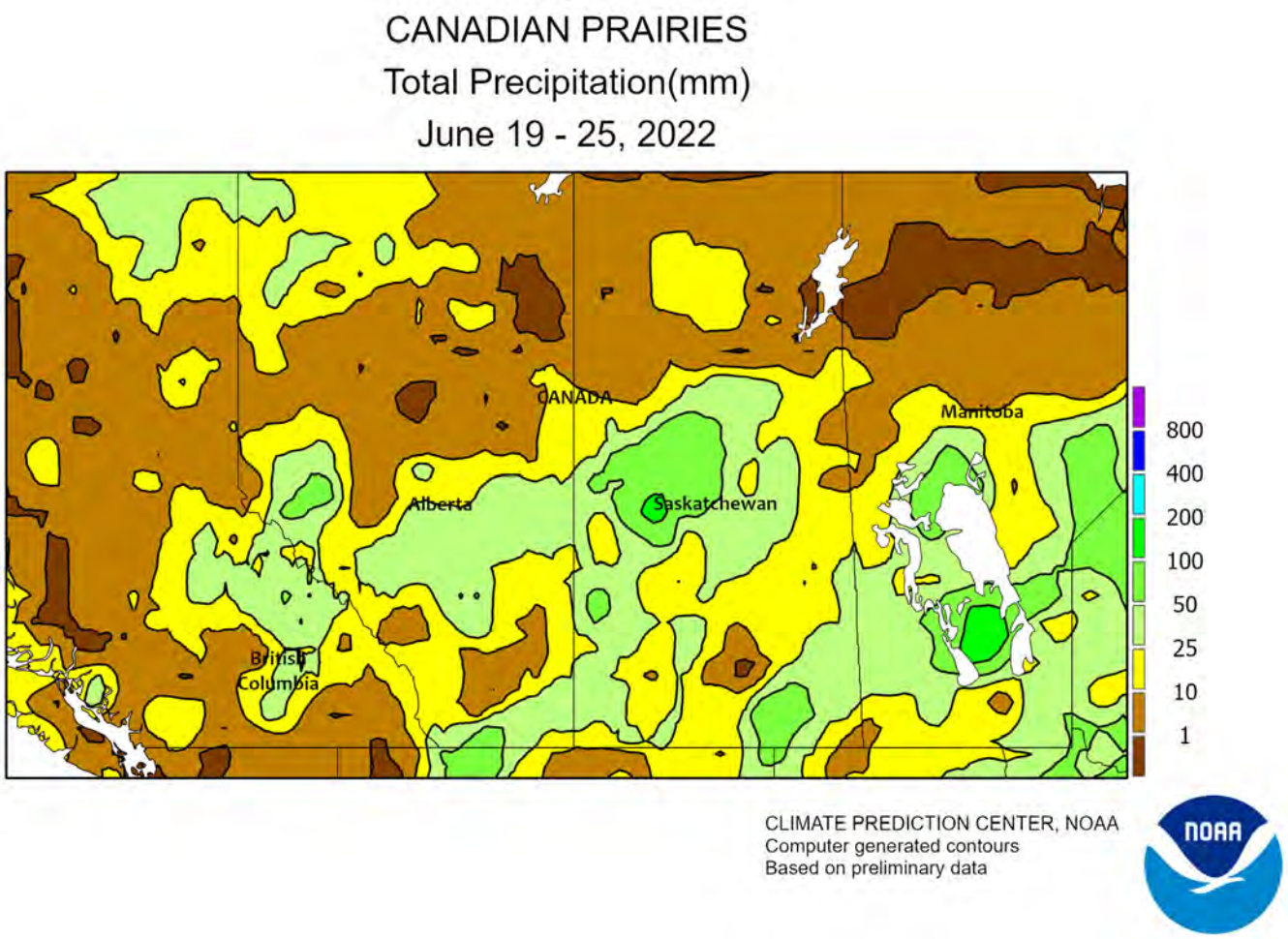


MEXICO

Monsoon showers developed over northwestern watersheds, marking the beginning of the summer rainy season. Rainfall totaled 50 to 100 mm from southern Durango northward through Sonora and western Chihuahua. Moderate to heavy rain (25-100 mm) also fell along the southwestern coast (Jalisco to Guerrero); heavier showers (50-200 mm) developed along the Gulf Coast from southern Tamaulipas southward through Veracruz and into Chiapas and Campeche. In contrast, drier conditions dominated Mexico's central interior, including northern sections of the southern plateau (Guanajuato and environs). Weekly average temperatures were variable, with milder conditions (daytime highs reaching the middle and upper 20s degrees C) over the southern plateau contrasting with lingering heat (highs reaching the lower 40s) across much of the north.

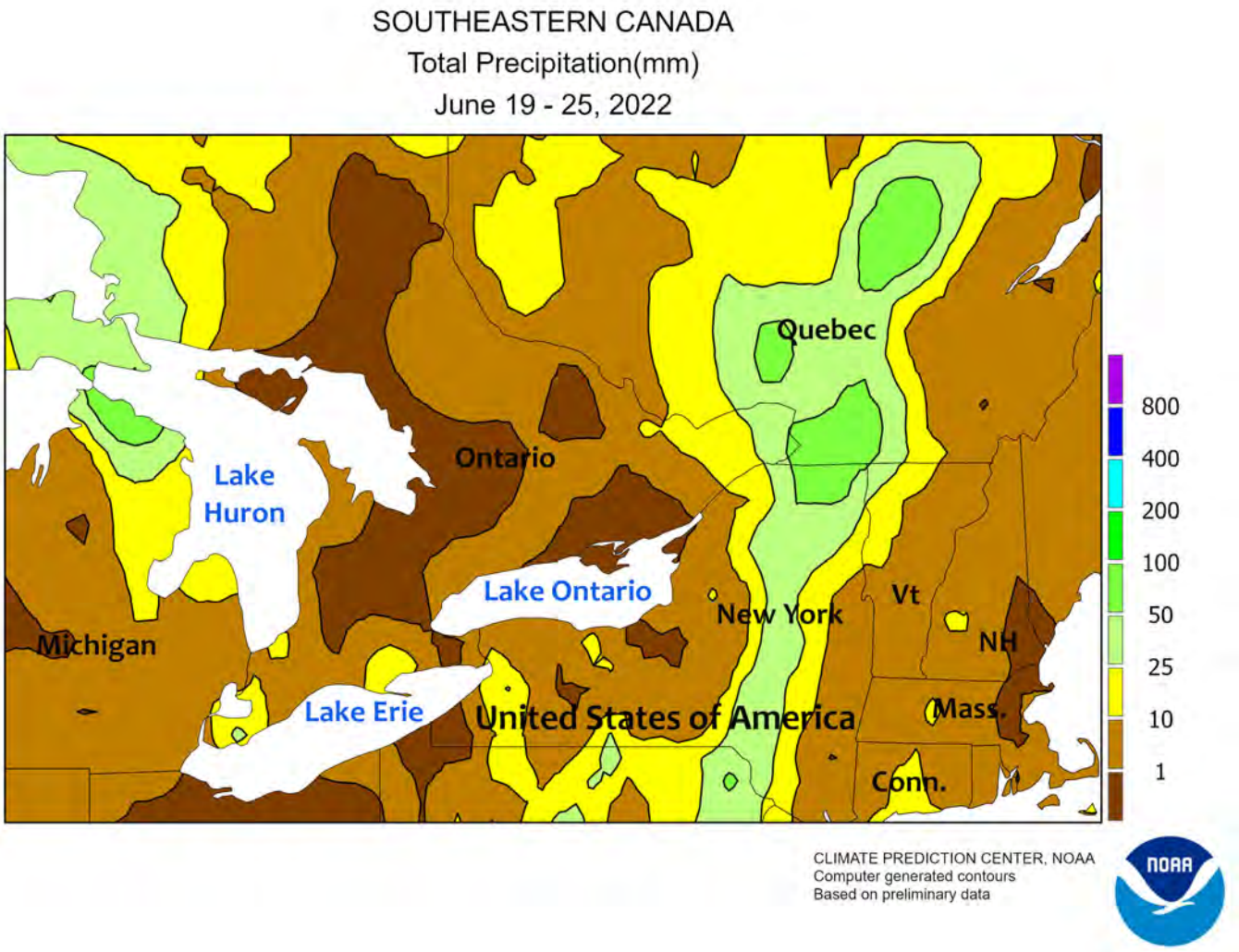
For additional information contact: mark.brusberg@usda.gov



CANADIAN PRAIRIES

Wet weather continued across the Prairies, effectively ending the planting season for spring and summer crops. Much of the region recorded more than 25 mm, with amounts exceeding 50 mm across Alberta's central farming areas and portions of eastern Saskatchewan and Manitoba. According to the government of Manitoba, planting was 91 percent complete as of June 21, up 4 points from the previous week but falling short of completion. While the continuation of eastern rain maintained excessive levels of moisture for crops, moisture in the west was welcomed for crops and forage. According to the government of Alberta, 78 percent of crops were rated in good to excellent condition as of June 21, on par with the 5-year average. Similar to recent weeks, weekly average temperatures were below normal in Alberta and up to 2 to 4°C above normal in eastern Saskatchewan and Manitoba. Hot weather (daytime highs exceeding 35°C) fostered rapid growth of crops in southern Manitoba while also increasing rates of drying.

For additional information contact: mark.brusberg@usda.gov



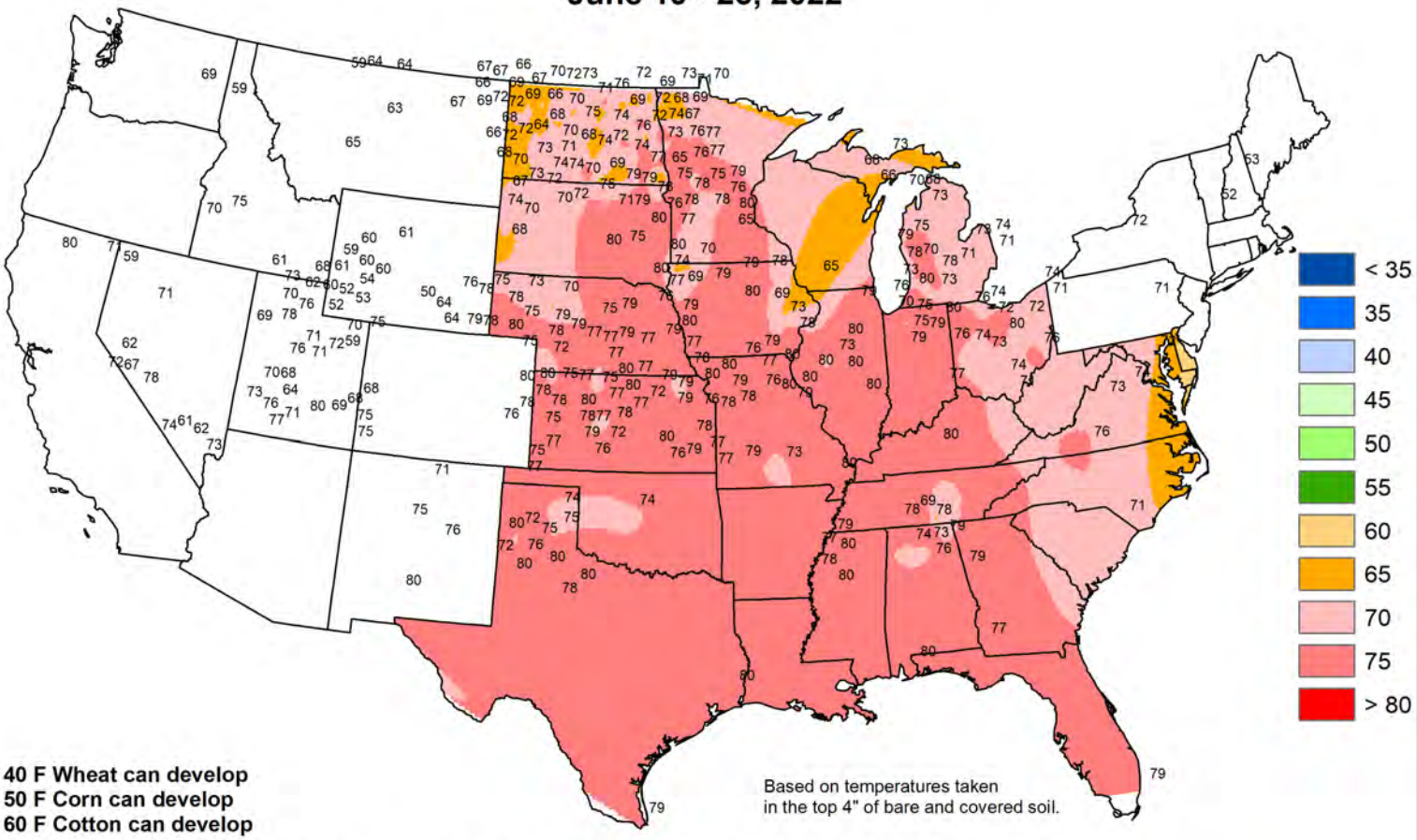
SOUTHEASTERN CANADA

Warm, mostly dry weather prevailed in Ontario, fostering rapid growth of crops and forage. Little to no rain fell in the province's central and southern farming areas, where weekly temperatures averaged up to 3°C above normal (daytime highs reaching the middle 30s degrees C). Meanwhile, showers developed farther east, with moderate to heavy amounts of rainfall (25-75 mm) concentrated over southern Quebec. Temperatures were more seasonable in the wetter eastern agricultural districts, with highest daytime temperatures in the upper 20s and lower 30s. Nighttime lows dropped below 5°C in the cooler northern and far eastern farming areas but no freeze was recorded.

For additional information contact: mark.brusberg@usda.gov

Average Soil Temperature (Deg. F)

June 19 - 25, 2022



Data provided by the Climate Prediction Center, High Plains Regional Climate Center, Nebraska Mesonet at Univ of Nebraska, CoAgMet at Colorado State Univ, Kansas Mesonet at Kansas State Univ, North Dakota Agricultural Weather Network at North Dakota State Univ, Wyoming State Climate Office at the Univ of Wyoming, Illinois State Water Survey, Iowa State University, Oklahoma Mesonet, Purdue University, University of Missouri, Illinois State Water Survey, Michigan Automated Weather Network, West Texas Mesonet, South Dakota State Univ. Mesonet, Ohio Agricultural Research and Development Center, Univ. of Missouri and USDA/NRCS.

USDA United States Department of Agriculture

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